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NINTH

# BIENNIAL REPORT

*of the*

STATE ROAD  
DEPARTMENT

*of the*

STATE OF FLORIDA



FOR THE PERIOD

BEGINNING JANUARY 1, 1931

AND

ENDING DECEMBER 31, 1932

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## PERSONNEL OF DEPARTMENT

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C. B. TREADWAY, <i>Chairman</i>	
W. R. GALL	J. R. ASBELL
ROY V. OTT	W. P. MOOTY
KARL ROESCH, <i>Secretary</i>	
H. C. DUNCAN, <i>Attorney</i>	

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## PERSONNEL OF EMPLOYEES IN GENERAL CHARGE OF THE WORK OF THE DEPARTMENT

### ENGINEERING DIVISION

B. M. DUNCAN	State Highway Engineer
L. K. CANNON	Assistant State Highway Engineer
W. I. NOLEN	Bridge Engineer
J. H. DOWLING	Division Engineer of Plans and Surveys
H. C. WEATHERS	Division Engineer of Tests
R. K. VAN CAMP	Division Engineer First Division
LEON B. THRASHER	Division Engineer Second Division
E. K. FOGG	Division Engineer Third Division
E. S. LOFBERG	Division Engineer Fourth Division North
R. L. BOW	Division Engineer Fourth Division South
T. S. BEARD	Superintendent of Equipment

### ACCOUNTING DIVISION

H. W. SHEPPARD	Auditor
DAN NIELSON	Cost Accountant
FRANK E. HARRISON	Traffic Manager

### U. S. BUREAU OF PUBLIC ROADS

CHAS. D. SNEAD	District Engineer
H. J. MORRISON	Senior Highway Engineer
J. A. REYNOLDS	Associate Highway Engineer



LETTER OF TRANSMITTAL

Tallahassee, Feb. 28, 1933

HON. DAVID SHOLTZ, *Governor*,  
State Capitol,  
Tallahassee, Florida.

MY DEAR GOVERNOR:

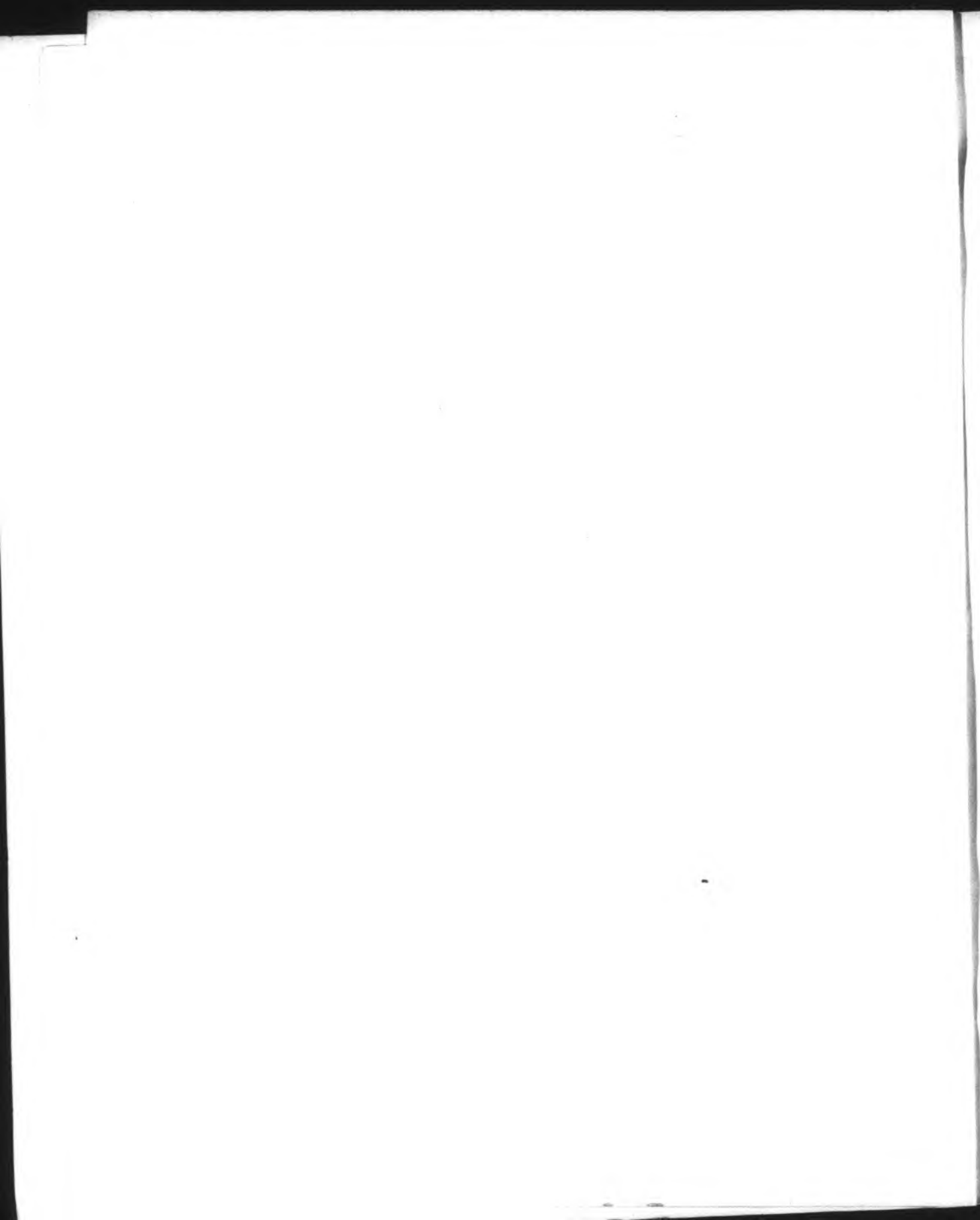
Complying with the requirement of the Statutes I herewith submit the biennial report of the State Road Department of Florida covering the period 1931-32. In making up this report special care has been taken to show by written statement and tabulation the detailed activities of the Department during the two-year period.

Considerable progress has been made during the past two years in both construction and maintenance of roads and bridges in the State Highway System, regardless of the fact that the Department has not had the income from the sale of automobile tags. The tables enclosed herein will reveal that the State Road Department has taken advantage of a very fair portion of Federal Aid funds, both of an emergency nature and of regular Federal Aid.

You will note by this report that the mileage of roads now being maintained by the Department is in round figures approximately 6,000 miles, being increased from year to year. Much of this new mileage is of roads constructed by the counties out of their own means, and in taking over such roads for maintenance the State Road Department has considerably lessened the burden of the counties. It is very evident that the Department will find it necessary in the future to take over additional mileage of county roads and bridges for maintenance. This necessarily will require a larger amount of our income from time to time.

Very truly yours,

C. B. TREADWAY,  
*Chairman.*



## ORGANIZATION

The State Road Department was created by an Act of the Legislature and organized in accordance therewith in October 1915. The five members of the Department are appointed by the Governor, one from each Congressional District and one from the State at large. The first appointments were for one, two, three and four years, in order that the terms would not be concurrent, and so as to provide continuity in the Department. The Board meets quarterly to conduct the affairs of the Department, and at such other times, at the call of the Chairman as he may deem necessary. At the first quarterly meeting of the year the Board elects one of its members as Chairman, and he is the Chief Executive Officer and is on duty at all times with official residence in Tallahassee. The Department elects a Secretary and is empowered to employ a Chief Engineer and such other assistants as they deem necessary in carrying on the work of the Department. The personnel list and organization chart herein will give the general set up for the operation of the Department.

For the purpose of carrying on the work of the Department the State is divided into five districts called divisions. Divisions numbers 1, 2, and 3 correspond to congressional districts 1, 2 and 3 respectively. Congressional district number 4 is divided along the north boundary lines of Orange and Brevard Counties to form divisions 4—North and 4—South.

The details of the Engineering work are outlined in the report of the State Highway Engineer contained herein.

A detailed account of receipts expenditures, etc., are given in the Auditor's statements also contained herein.

## THE STATE ROAD SYSTEM OF FLORIDA

There is presented herewith a list of the roads in the State System as designated by the Legislature of Florida, which list shows revisions which were made by the 1931 Legislature; that is to say, the addition of new roads, and the change of certain roads as to status.

The designations given in the list as "first system," "second system" and "third system" indicate the status of the road or portion of road affected as to its place in the Department's program of construction as fixed by legislative enactment.

This list has been prepared to conform to the mandates given by the Legislature in 1931, and numerical designation, where required, has been supplied by the department.

### STATE ROAD SYSTEM

Road No. 1 (First System): Extending from the Alabama state line at Nunez Ferry to Jacksonville, passing through Pensacola, Milton, Crestview, DeFuniak Springs, Bonifay, Chipley, Marianna, Chattahoochee, Quincy, by or near Havana, Tallahassee, Monticello, Greenville, Madison, Live Oak, Lake City, Sanderson, Macclenny and Baldwin.

Road No. 2 (First System, Georgia line to Fort Myers; third system, Coleman to Leesburg, Dade City to Leesburg, Belleview to Rerdell, and Coleman to Lakeland): Extending from the Georgia state line north of Jennings to Fort Myers via Jasper, White Springs, Lake City, High Springs, Gainesville, Ocala, Leesburg, Lisbon, Grand Island, Eustis, Mount Dora, Plymouth, Apopka, Orlando, Kissimmee, Haines City, Bartow, Arcadia and Olga Bridge; also from Leesburg to Lakeland via Mascotte, Groveland, Buck Hill, Polk City, Foxtown; also from Silver Lake Forks, Lake County, via Tavares to Mount Dora; also from Coleman to Leesburg via Bamboo; also from Dade City to Leesburg running due east or northeasterly to Clay Sink, thence northeasterly crossing range line dividing ranges 22 and 23 east to Linden, Mable, Center Hill, Okahumpka; also extending from Belleview to Rerdell via Summerfield, Wildwood, Coleman, thence on the west side of the Seaboard Air Line track to Bushnell, thence to Rerdell; also from Coleman to Lakeland via and as near as practical range line dividing ranges 22 and 23, Beville's Corner, Webster, Tarrytown and connecting with State road No. 17 at the southeast quarter of Section 14, Township 28 South, Range 23 East. (Coleman to Lakeland to be known as Getzen Memorial Highway).

Road No. 3 (First System): Extending from the Georgia State line at a point on the St. Mary's river known as Wild's Landing, to Orlando, via Jacksonville, Orange Park, Green Cove Springs, Palatka, East Palatka, Crescent City, DeLand and Sanford.

Road No. 4 (First System): Extending from the Georgia state line south of Folkston to Miami, via Hilliard, Callahan, Jacksonville, St. Augustine, Bunnell, Daytona, Titusville, Fort Pierce, West Palm Beach and Fort Lauderdale.

Road No. 4-A: Extending from Miami to Key West via Key Largo.

Road No. 5 (First System, High Springs to Fort Myers): Extending from High Springs to Fort Myers via Newberry, Archer, Williston, Dunnellon, Inverness, Brooksville, Lutz, Tampa, Riverview, Bradenton, Sarasota, Venice and Punta Gorda; also from Dade City to Denham via San Antonio and Mrytle.

Road No. 5-A (Second System): Is the extension from High Springs to Perry, via Fort White, Branford and Mayo.

Road No. 6 (First System, Alabama state line to Marianna): Extending from the Alabama state line south of Dothan to Port St. Joe, via Campbellton, Marianna, Altha, Blountstown, Scott's Ferry and Wewahitchka.

Road No. 7 (First System): From Pensacola to Alabama state line at Flomaton.

Road No. 8 (First System): Extending from Haines City to Fort Pierce, via Lake Wales, Frostproof, Avon Park, Sebring, DeSoto City, Lake Annie, and Okeechobee City.

Road No. 9 (First System, Georgia state line to Madison): Extending from the Georgia state line south of Quitman, via Madison to a point on Road No. 35 near Shady Grove.

Road No. 10 (First System, Georgia state line to Tallahassee; Second System, Tallahassee to Milton; Third System, Crawfordville to Arran also from Road No. 10 at Newport to Road No. 19): Extending from the Georgia state line near Beachton to Pensacola via Tallahassee, Woodville, Wakulla, St. Marks and thence around the coast to Panacea Springs, St. Teresa, Lanark; also via Wakulla, Crawfordville, Sopchoppy, Carrabelle, Apalachicola, Port St. Joe, Panama City, Bruce, Freeport, Portland, New Valparaiso, Camp Walton, and thence into State Road No. 1 at or near Milton, and thence over State Road No. 1 to Pensacola; also from State road No. 10 near Crawfordville to Arran; also from a point on said road No. 10 between Wakulla and St. Marks as nearly due west of Newport as practical to a connection with State road No. 19 in Jefferson County via Newport.

Road No. 11 (Second System): Extending from a point on the Georgia State line south of Thomasville via Monticello to Capps.

Road No. 12 (Third System): Extending from the Georgia state line on the Bainbridge and Quincy road, via Greensboro, Bristol and to East Point.

Road No. 13 (Second System except Baldwin to Gainesville, which is First System): Extending from Cedar Key to Yulee in Nassau County, via Bronson, Gainesville, Starke, Baldwin and Callahan; extending in an easterly direction from Yulee through Fernandina to the Atlantic Ocean, over and along that certain twelve-mile stretch of new concrete road just completed by Nassau county.

Road No. 14 (First System, Gainesville to Palatka; Third System, Road 19 to Gainesville and Palatka to Crescent Beach): Extending from a point on State road No. 19 at the Suwannee River Bridge Near Oldtown to a point on Road No. 140 at or near Crescent Beach, via Trenton, Newberry, Gainesville, Palatka and Hastings.

Road No. 15 (Second System): Extending from a point on Road No. 10 between Wakulla and St. Marks, thence to Newport, thence southerly along the Gulf as near as practical to St. Petersburg via or as near as practical the mouths of the Steinhatchee and Suwannee Rivers and Cedar Key, to where the north and south half section line of Section 4, Township 17 South, Range 16 East, crosses the Withlacoochee river and the north boundary line of Citrus County, thence southeasterly to Red Level in Section 25, Township 17 South, Range 16 East, thence to Crystal River, Homosassa, to the Hernando County line, thence south to what is known as Centralia in Hernando county, thence in a southwesterly direction to what is known as Bay Port, thence across Weekiwachee river, following along the Gulf as near as practical Aripeka, thence to Hudson, New Port Richey, Tarpon Springs, Clearwater and Largo; also starting at a point approximately two miles north of Brooksville where the present paved road intersects State road No. 5, thence to

Brooksville, following as near as practical the said paved road to Brooksville, thence to Aripeka via Spring Hill.

Road No. 16: Extending from Ocala to Road No. 5, via Dunellon, thence to Crystal River.

Road No. 16-A Beginning at or near where State Road No. 16 extending from Ocala westerly in Marion County connects with State Road No. 5 and running southwesterly in Marion and Levy counties to the Gulf of Mexico at or near the mouth of the Withlacoochee River in Levy county.

Road No. 17 (First System, Tampa to Haines City): Extending from Haines City to Clearwater, via Lakeland, Plant City, Tampa and Oldsmar; also from Haines City eastward to a point intersecting Road No. 24 at Deer Park, in Osceola county.

Road No. 18: Extending from Sarasota to Lake Annie, via Arcadia; and Road No. 18-A, extending from a point on Road No. 5, near Bradenton, via Oneco, intersecting Road No. 18 at a point about thirty miles east of Sarasota.

Road No. 19 (First System, Tallahassee to Ocala; Third System, Youngstown to Tallahassee): Beginning at a point on Road No. 20 at or near Youngstown, thence via Blountstown, Bristol, Jackson Bluff, Tallahassee; leaving Tallahassee on the St. Augustine road, thence to or near Chaires, thence to Waukeelah, Capps, Lamont, Perry, Cross City, Old Town, Chiefland, Bronson, Williston, Ocala, Astor, Barbourville and to the intersection of Volusia Avenue and Road No. 4 in Daytona Beach.

Road No. 20 (Second System): Extending from Cottdale to Panama City, via Round Lake, and from Cottdale north to connect with Road No. 6.

Road No. 21 (First System, Daytona Beach to DeLand): Extending from Daytona Beach to DeLand, thence from DeLand to Eustis, via Crow's Bluff.

Road No. 22: Extending from Orlando to Indian River City, via Ft. Christmas; also from Orlando to Crystal River, via Winter Garden, Clermont, Mascotte, Groveland, Bushnell, and Inverness.

Road No. 23 (Third System in Hernando County; Coleman to Coleman; Sumterville to Rutland): Extending from Rerdell to Palmetto via Dade City and Plant City also from Coleman via Crum's siding; Ekal to Coleman; also from Sumterville to Rutland via Panasoffkee; also from Bushnell to Webster.

Road No. 24 (First System): Extending from Kissimmee to Melbourne, via St. Cloud.

Road No. 25: Extending from State Road No. 140 in Palm Beach county, thence westerly along the line between townships 43 and 44 to West Palm Beach; thence to Olga Bridge and beginning on McGregor boulevard at the westerly limits of the city of Fort Myers, and extending westerly on said boulevard to the waters of San Carlos Pass at Punta Rassa.

Road No. 26 (Third System): Extending from a point on State Road No. 25 where it intersects the North New River drainage canal, thence in a southeasterly course following the said North New River drainage canal and the New River to Fort Lauderdale; also from a point on North New River drainage canal at or near Twenty-Mile Bend and proceeding in a southerly direction to the Miami canal, and following said Miami canal to the city limits of Miami.

Road No. 27 (First System, Fort Myers to Miami): Extending from Fort Myers to Miami, also the southern loop via Pinecrest.

Road No. 27-A (Third System): Extending from Royal Palm Hammock to Collier City.

Road No. 28 (First System, San Mateo to Bunnell; Second System, Lake City to San Mateo): Extending from Lake City to Bunnell, via Palatka, Lulu, Lake Butler, Starke and Keystone Heights.

Road No. 29 (Third System): Beginning at a point at the city limits of Orlando where the present road from Orlando to Narcoossee is located and run on State Road to Ashton via Narcoossee, thence via State Road No. 24 to Holopaw, and thence south to Okeechobee via Kenansville, thence around the western shore of Lake Okeechobee to Moore Haven; also from Okeechobee to Jupiter via Sherman and Indiantown to a connection with State Road No. 4 at Jupiter.

Road No. 30: Also from Frostproof to Vero, via Dougherty Crossing and Yeehaw.

Road No. 31: Road from Ocala to Waldo, via Citra, Island Grove and Hawthorne.

Road No. 32: From Bradenton to Avon Park by way of Parrish, Fort Green and Wauchula; also an extension from Avon Park, eastward through Highlands county, Florida, over what is known as the Kissimmee river road, a distance of approximately twenty miles and then in a northerly direction through the most practical route to a point where the same will intersect State Road No. 30.

Road No. 33: Extending from the Alabama state line south of Florala via Laurel Hill to a point on Road No. 1 at or near Crestview.

Road No. 34: Beginning at a point on Road No. 17 in Lakeland and running thence northwesterly to the northern corporate limits of Dade City, thence westerly and northwesterly through Blanton and Springlake to a point on Road No. 5 in Brooksville.

Road No. 35 (Third System, Greenville to Taylor County): Extending from the Georgia line through Ashville and Greenville to a point on Road No. 19.

Road No. 36: Extending from Leesburg to Inverness via Wildwood and Rutland.

Road No. 37: (Third System): Extending from Alabama state line at Dixonville via Allentown to State Road No. 1 at Milton.

Road No. 38: Extending from Road No. 2 at Weirsdale, east to Umatilla in Lake county, by way of Stark's Ferry.

Road No. 39 (Third System): Extending from the Alabama state line through Bonifay to Vernon and thence southerly to Phillips Inlet.

Road No. 40: Extending from the Alabama state line, south of Florala, Alabama, to DeFuniak Springs, Florida, and thence southerly to Freeport, and to Choctawhatchee Bay on the west side of LaGrange Bayou.

Road No. 41: From Milligan via Baker and Blackman to the Alabama state line.

Road No. 42: Extending from a point on Road No. 1, north of Aucilla through Aucilla to Lamont and to the Taylor county line, at or near Walker Springs.

Road No. 43: Extending from a point on the Georgia line, southerly through Miccosukee to a point on Road No. 1 and over same easterly to a point north of Lloyd, and thence south through Lloyd and Wacissa to the Gulf at or near the mouth of the Pinhook river.

Road No. 44: Beginning at Mims and extending to Mount Dora via Southmere, Geneva, Sanford and Sorrento.

Road No. 45: Extending from State Road No. 19, ten miles east of Ocala in a northeast direction to Bruce, thence to Salt Springs, Norwalk and Welaka in Putnam county, Florida.

Road No. 46: Extending from the Alabama state line near Flomaton, Alabama, to Baker, Florida, via Jay, Berrydale and Munson.

Road No. 47: (Second System): State Road in Duval county constructed by Duval county and known as San Jose boulevard (County Road No. 26) from an intersection in South Jacksonville with State Road No. 78 locally known as Atlantic boulevard, and thence with a county road known as the Mandarin road (County Road No. 17), thence in a southwesterly direction along the Mandarin road and continuing in a southerly direction along the most practical route to a bridge across Julington Creek, and thence southerly as near as practical along the St. Johns river to a point on Road No. 14, thence to East Palatka.

Road No. 47-A. Palatka to Ocala via Rodman, Orange Springs and Citra.

Road No. 48: Extending from St. Augustine to Starke, via Green Cove Springs; and also beginning at the intersection of State Roads Nos. 48 and 13 in the town of Starke, Bradford county, Florida, and extending to State Road No. 49 by way of the Stockade and through the State Farm.

Road No. 49: Extending from the Georgia state line approximately north of Macclenny to Newberry via Macclenny, Manning, Sapp, Raiford, Lake Butler, Worthington Springs and Alachua.

Road No. 50, Suwannee River Scenic Highway (First System, Jasper to Live Oak; Third System, Georgia state line to Jasper and from Live Oak to Salt Creek): Extending from Jasper to Salt Creek in Dixie county via Live Oak, Branford, crossing the Suwannee river at Branford, and extending in a southerly direction via Oldtown to intersect State Road No. 19, thence following the course of the Suwannee river in the most practical manner or route to Salt Creek in Dixie county.

Road No. 51: Extending from Orlando to Brooksville via Groveland, Riverland and Spring Lake.

Road No. 52 (Third System): Extending from the Alabama state line north of Graceville, through Graceville and to the Washington county line north of Chipley, thence through Chipley to bridge across North Bay near Southport and extending from Graceville via Jacobs to connect with Road No. 6.

Road No. 53 (Third System): Extending from Camp Walton along Santa Rosa Sound as near thereto as practicable to Town Point.

Road No. 54: Extending from Crestview by way of Valparaiso to Camp Walton on Road No. 10.

Road No. 55 (Third System): Extending from a point at or near Pierson on Road No. 3 to

Road No. 2 at Smithwick's Filling Station in Lake county, through Astor, Umatilla, Eustis, Tavares, Minneola and Clermont.

Road No. 56: Extending from Ellisville to Lake Butler via Providence.

Road No. 57: Extending from New Smyrna to Sanford.

Road No. 58 (Third System): Extending from the Georgia state line near Darsey, connecting with Road No. 1 at or near Havana.

Road No. 59: Commencing at Zolfo Springs in Hardee county, to Crewsville, thence to a point at or near Fort Bassenger, crossing steel bridge over the Kissimmee river at this point, thence in the most advisable or acceptable route to Okeechobee City.

Road No. 60: A road leaving the Alabama state line at a point where the Alabama State Highway System strikes the north line of Walton county, Florida, at or near Gaskin, thence to State Road No. 1, in DeFuniak Springs, Florida.

Road No. 61: Extending from Polk City to Auburndale.

Road No. 62 (Third System): Extending from Milligan on State Road No. 1, via Baker, Munson, Berrydale and Jay to a point on State Road No. 7 at or near the Alabama-Florida line.

Road No. 63 (Third System): Beginning at Zolfo Springs and extending to Bradenton via Ona in the most direct and practicable route.

Road No. 64: Extending from Largo to the Gandy bridge via North St. Petersburg, in Pinellas county.

Road No. 65: Extending from a point south of Gainesville on State Road No. 13, in a southwesterly direction to a point on State Road No. 5 at or near Williston.

Road No. 66 (Third System): Beginning on State Road No. 15 at or near the Jefferson-Taylor county line to run in an easterly direction to connect with that certain Taylor county road from Perry to Hampton Springs towards the Jefferson county line.

Road No. 67: Extending from State Road No. 8 at a point known as Lake Annie, thence to Venus, Palmdale, Boar Hammock, Main's Corner and Moore Haven, thence in a southerly direction to intersect with State Road No. 25, which said road shall be known as "Joe Peeples Highway."

Road No. 68 (Third System): Beginning at Orange Park, Clay county, Florida, and extending through Middleburg, Keystone Heights, Hampton and Brooker to Worthington Springs.

Road No. 69 (Third System): Beginning at State Road No. 1 in Live Oak in Suwannee county, thence extending in a southwesterly course through Suwannee county, Lafayette county and Taylor county to a point on the Gulf of Mexico at the mouth of the Steinhatchee river in Taylor county via Luraville, Mayo, Cook's Hammock and Clara.

Road No. 71: Extending from the east side of the Withlacoochee river at and near a point east of Croom, Florida, thence running eastwardly and northeastwardly to Coleman, Florida by way of St. Catherine, Webster, Center Hill to Coleman, making intersection with State Road No. 2.

Road No. 72 (Third System): Beginning at State Road No. 4, in the town of Bunnell, in

Flagler County, Florida, and running in a northeastwardly direction along the present highway known as the Moody Boulevard to a point in the town of Flagler Beach where it intercepts a highway known as the Ocean Shore Boulevard, leading from St. Augustine, Florida, in a southerly direction to Daytona Beach, Florida.

Road No. 73: Beginning at the center of Section 28, Township 28 South, Range 16 East, running south via Dellwood, Bayview, Moncrief's Corner and Pinellas Park to 34th Avenue and 9th Street, North in the City of St. Petersburg, Florida.

Road No. 74 (First System): Extending from Ocala, Marion county, in a southwesterly direction to Hernando in Citrus County, via Stoke's Ferry on the Withlacoochee river.

Road No. 75: Extending from DeLand to New Smyrna, in Volusia county.

Road No. 76 (Third System): Extending from Quincy, Gadsden county, by or near Midway, to Tallahassee, Leon county.

Road No. 77 (Third System): Beginning at a point on State Road No. 5-A between Branford and the Itchtucknee river and proceeding southward across the Santa Fe river through the towns of Bell and Trenton to a point on State Road No. 19, at Chiefland, thence southward to State Road No. 13 at Sumner.

Road No. 77-A: Extending from Trenton in Gilchrist county to connect with Road No. 19 at or as near as practical where said Road No. 19 crosses the Wacasassa River in Levy county.

Road No. 78: That concrete road thirty-two (32) feet wide, constructed by Duval county, from the city limits of South Jacksonville to the Atlantic ocean at Atlantic Beach, and the road continuing thence through Jacksonville Beach and to the northern limits of the City of St. Augustine, in St. Johns county, Florida.

Road No. 79: (Third System): Extending from Wewahitchka over the route now designated and followed by present Wewahitchka-Panama City county road.

Road No. 80 (Third System, Keystone to Melrose): To extend from State Highway No. 28 at Keystone Heights, to run thence southerly to Melrose, thence in a southwesterly direction between the lake and prairie to a point on State Highway No. 14 at or near McMeekin, Putnam county.

Road No. 81: Beginning at Chiefland, and extending to Dunnellon, via Otter Creek, Gulf Hammock and Lebanon and Tidewater in the most direct and practical route.

Road No. 81-A: Begin on State Road No. 81 at or near Lebanon Station, extending via Inglis to State Road No. 15 where said road crosses the Withlacoochee river on the west side.

Road No. 82 (Third System): Extending from a point about one mile north of Lake City on State Road No. 2, running through Columbia county to the Georgia line. Said road to follow as near as practical the present highway by way of Milton's store and Benton to Georgia line.

Road No. 83: Extending from Trenton to Lake City via at or near Williford, Knight Bridge, Fort White and Columbia City.

Road No. 84: Extending from Marianna, on west side of Chipola River, by way of Carr and Clarksville, to where the same intersects State Road No. 6 at Chipola Park, in Calhoun county. That the route to be followed by the said Road No. 84 shall be as near as practicable the same

route of the present Marianna and Wewahitchka road to where the same intersects State Road No. 6.

Road No. 85: Extending from Stuart to Indiantown, and thence to Okeechobee, said road to be known as the "Warfield Highway."

Road No. 86: That the paved public highway from Arcadia, via Fort Odgen, DeSoto County, Florida, to Punta Gorda, Charlotte county, Florida, be and the same is hereby declared to be a State Highway and is hereby designated "The DeSoto Trail."

Road No. 87: Beginning with the main highway leading south of Atmore, Alabama, and continuing in a southerly and southeasterly direction to Pensacola-Flemington highway at some point between Pine Barren creek and Cottage Hill, said point to be determined by the State Road Department, all of said road in Escambia county.

Road No. 88: Commencing on the state line dividing the State of Alabama and the State of Florida, due south of Stephen's Ferry on Pea river, in the State of Alabama, at the end of State Highway in the State of Alabama, crossing said river at said ferry, thence in a southeasterly direction, the nearest and most practicable route to an intersection of the section line dividing Sections 4 and 5, 8 and 9, 16 and 17, 20 and 21, 28 and 29, 32 and 33, Township 5 North, Range 17 West, and Sections 4 and 5, 8 and 9, 16 and 17, 20 and 21, 28 and 29, 32 and 33, Township 4 North, Range 17 West; and Section 4 and 5, 8 and 9, 16 and 17, Township 3 North Range 17 West; point of intersection of said highway with said described section line or lines to be determined by the State Road Department, which from said determined point on said section line or lines thence south along said described section line, due south as nearly as practicable to the Town of Ponce De Leon, thence south to the county line dividing Holmes county and Walton county, thence in a southerly direction to the Lower Bridge on Bruce Creek, thence in a southerly direction to State Road No. 10, at or near Bruce, following the present public road as nearly as practicable; which road shall be located by the State Road Department as other State roads are located.

Road No. 89: Extending from State Road No. 44, as now designated and established at the point where said State Road No. 44 crosses the St. Johns river, running thence due easterly as near as practicable to a point on State Road No. 4.

Road No. 90 (Third System; Neal's Landing, Marianna): Extending from Neal's Landing on the Chattahoochee river to a point of intersection with State Road No. 1 as now established, thence over State Road No. 1 to that certain point of West Marianna where the road from the Florida Industrial School for Boys intersects with said Road No. 1, thence over the road of the Florida Industrial School for Boys, thence by the most practical route to a point on State Road No. 20 at or between Compass Lake and Steel City, road to be known as the "Hamilton-Allan-Smith Memorial Highway."

Road No. 91: Extending from Ocala to Lake Weir, connecting with State Road No. 2, via Candler and Oklawaha.

Road No. 92 (Third System): Extending from a point on State Road No. 69 near Live Oak, thence extending on a westwardly course through Suwannee county and southwardly to a suitable point on Road 5-A in Lafayette county, said road to cross the Suwannee river at or near Dowling Park.

Road No. 93: Extending from Pensacola along Gulf Beach Highway, in Escambia county, to the public road upon and into Inerarity Point, and thence along said Inerarity Point road to the shore line of Perdido bay at the proposed bridge site of the bridge over said Perdido bay.

Road No. 94 (Third System): Extending from State Road No. 1 at Lake Jackson in a northerly direction, crossing the Ocklocknee river over the Whiddon bridge and extending through the town of Concord to the Georgia line.

Road No. 95: Beginning at a point on State Road No. 47, where said road crosses the township line dividing Townships 7 and 8, run thence due west on said township line to the Gulf of Mexico. Said road shall be known as "St. Augustine State Road No. 95."

Road No. 96: Beginning at a point on State Road No. 43, at or near the head of the Wacissa river, thence through Thomas City and Waukeenah to a point on State Road No. 11 at or near the intersection of the present Pinhook road with said State Road No. 11.

Road No. 97 (Third System): Beginning at Cypress on Road No. 1 and running in a southerly direction to Alliance and to Altha, to connect with Road No. 6.

Road No. 98 (Third System): Extending from Cottdale on Road No. 20 to Graceville in Jackson county.

Road No. 99: Leading from Worthington Springs in Union county, in a southeasterly direction through LaCrosse, to a point on State Road No. 2 in Alachua county, about one mile northwest of Paradise, Florida, which point is located in Section 18, Township 9 South, of Range 20 East.

Road No. 100: Extending from State Road No. 21 at or near Crow's Bluff on the west side of the St. Johns river and extending westward via Altoona, intersecting State Road No. 38.

Road No. 102: Leading from the intersection of State Roads 48 and 13 in Starke, Bradford county, Florida, to the Stockade at the State Farm, be and the same is hereby declared and designated as State Highway, same to be known as the State Farm Highway.

Road No. 103: Leading from a point on Road No. 5 at or near Williston in Levy county, through Old Wacahoota, Micanopy, Rochelle, Windsor to State Road No. 31 at Campville in Alachua county, thence over State Road No. 31 to Waldo, thence to Montecocha, thence to LaCrosse, thence to Alachua, thence west to Bell, in Gilchrist county, thence west to Wannee, in Gilchrist county, Florida.

Road No. 104: Beginning at a point on the Pensacola-Flomatch highway near the Molino cross roads, in Escambia county, Florida, thence to the City of Molino, in Escambia county, thence in a southeasterly direction to Milton, in Santa Rosa county, and there to connect with State Road No. 1.

Road No. 105: Extending from the town of Baker, in Okaloosa county, to Galliver on Road No. 1, thence from Galliver to Holt, thence from Holt to intersection of State Road No. 10 at or near Camp Walton via Log Lake Bridge, in the most practicable route.

Road No. 106 (Third System): Begin on State Road No. 5-A about 9 miles northwest of Mayo at or near where what is known as Madison-Mayo public road intersects State Road No. 5-A, thence run northerly to or near where the said Madison-Mayo road intersects the Madison-Lafayette boundary line, thence run to Madison, Hanson, and Pinetta to the Georgia state line where the Madison-Valdosta public road intersects the Georgia-Florida state line in Madison county near Horn's bridge.

Road No. 107: Beginning at a point on State Road No. 1 approximately due north of Capi-

tola, thence in a southerly direction via Capitola to a point on State Road No. 19 approximately due south of Capitola.

Road No. 108: Extending from Poincianna, Monroe county, in a northeasterly direction to the Tamiami Trail.

Road No. 109: Extending from Stuart to Indiantown and thence to Port Myacca, and to be known as "Gaines Highway."

Road No. 110 (Third System, Medart to Panacea): Beginning about two miles south of Tallahassee on Road No. 10, at or near that branch of the Seaboard Air Line railway between Tallahassee and St. Marks, running thence via Ivan to Crawfordville, running thence along and as a part of State Road No. 10 to Medart in Wakulla county, and from Medart running thence in a southerly direction to Panacea Springs on the Gulf Coast in said county of Wakulla.

Road No. 111: Extending from Stuart to Palm City and thence to Okeechobee, said road shall be known as the "Martin Highway."

Road No. 112: Extending from Branford to Lake City.

Road No. 113: Extending from State Road No. 13 about three miles south of Starke, to Gainesville, via Graham, Brooker, and LaCrosse.

Road No. 114: Extending from the town of Lawtey, in Bradford county, in a westerly direction to the State Farm Road.

Road No. 115 (Third System): From a point on State Road No. 10, at or near Camp Walton, Florida, running in an easterly direction across the mouth of the Choctawhatchee peninsula, passing not more than two and one-quarter ( $2\frac{1}{4}$ ) miles south of the town of Santa Rosa, and not more than one and one-quarter ( $1\frac{1}{4}$ ) miles south of the town of Point Washington, Florida, thence in an easterly direction, joining with State Road No. 10 at some point between Panama City, Florida, and Choctawhatchee river.

Road No. 116: Beginning on State Road No. 2, just west of Alapaha river and running in a westerly direction via Blue Springs and connecting with State Road No. 1 just out of Madison, and to be known as "Blue Springs Highway."

Road No. 117: Beginning at Indiantown and extending to West Palm Beach in the most direct and practicable route, substantially along the route of the Seaboard Air Line Railway.

Road No. 118: Extending from Astatula, on State Road No. 55, through Howey-in-the-Hills to Groveland, Lake county.

Road No. 119: Extending from a point on State Road No. 22, two and a half miles west of Indian River City, northeasterly to the city of Titusville, thence to the Atlantic ocean by the most direct route.

Road No. 120: Connecting with the Suwannee River Scenic Highway at Branford, thence northeast via Hickory Sink to Wellborn, connecting with State Road No. 1 in Suwannee county, thence north through Suwannee and Columbia counties to White Springs in Hamilton county, connecting with State Road No. 2.

Road No. 121: Extending from a point on State Road No. 48, near north shore of Lake Kingsley, in Clay county, thence in a northwesterly direction to the town of Lawtey, in Bradford county, thence in a westerly direction to the Stockade of the State Farm in Union county, thence in a westerly direction to a point on State Road No. 49 at or near the town of Raiford, in Union county.

Road No. 122: Connecting with State Road No. 1, in Live Oak, running northeast via Pine Grove, in Suwannee county, intersecting with State Road No. 120 at a point near White Springs in Hamilton county.

Road No. 123: Extending from Campbellton, in Jackson county, to Graceville in Jackson county.

Road No. 124: Road extending from the city of Lakeland, Polk county, to the City of Bartow, Polk county, via town of Highland City.

Road No. 125: Extending from the intersection of the Lillian road with Nunez Ferry road at West Pensacola and thence in a westerly and southwesterly direction to the Lillian bridge over Perdido Bay, via Millview.

Road No. 126 (Third System): Beginning at Neal's Landing, extending in a southerly direction to Sneads and from there to Shady Grove to connect with Road No. 163.

Road No. 127: Extending from Road No. 10 at Sopchoppy via Greenough, Sanborn and Smith Creek in Wakulla county, and via Ward in Leon county, to intersect with State Road No. 19 at or near the point where Road No. 19 crosses the Ochlocknee river.

Road No. 128: Extending from Wakulla Beach to the intersection of State Road No. 10, at or near the upper bridge across the Wakulla River.

Road No. 129: Beginning at St. Marks at the southern terminus of the Seaboard Air Line Railway, thence via Crawfordville to Arran.

Road No. 130: Beginning at Wacissa, thence via Fanlew, both in Jefferson county, to the intersection with the Gulf Coast Highway at Newport, in Wakulla county.

Road No. 131: Leading from Hampton, in Bradford county, in a southerly direction on the hard-surfaced road leading from Waldo, in Alachua county, to Lake Santa Fe, at a point where the road to Orange Heights leads off at practically a right angle curve.

Road No. 132: Extending from Monticello along the route of the "Over the Lake" road to the Leon county line, via Herring's store, and also to intersect with the Metcalfe road at the Georgia line.

Road No. 133: Extending from Monticello along the route of the old Monticello-Aucilla road to State Road No. 1; and also along the route of the Ashville road to Ashville, and to intersect with State Road No. 35.

Road No. 134: Beginning at Bunnell, in Flagler county, and running in a southwesterly direction along the present highway known as the Moody boulevard to, or near, what is known as the Cody Store, thence turning in a southerly direction and continuing to a point on the line dividing

the counties of Flagler and Volusia to intercept with what is known as the Perkins road and thence continuing along the said Perkins road to DeLand.

Road No. 135: Extending from Telogia to Sumatra, in Liberty county, to run parallel to the Apalachicola Northern Railroad.

Road No. 136: Extending from Jackson Bluff to Carrabelle and Quincy road south, continue to due east of the town of Telogia, then straight to Telogia Station.

Road No. 137: Beginning at White Springs and running in a northerly direction along the Suwannee river north to the Georgia line in the most direct and practical route, be and the same is hereby known as the "Woodpecker Route."

Road No. 138: Known as the "Lem Turner" road, beginning at the corporate limits of the city of Jacksonville, in Duval county, and running thence in a general direction of the present Lem Turner road to a connection with State Road No. 4 at Callahan, in Nassau county.

Road No. 139: Known as the "Old Orange Park" road, beginning at the corporate limits of the city of Jacksonville, in Duval county, and running thence in the general direction of the present right-of-way of the "Old Orange Park" road to a connection with State Road No. 3, Orange Park, in Clay county.

Road No. 140: Road to be known as "Atlantic Beach Boulevard," which shall extend from the city of St. Augustine, in the county of St. Johns, to the city of Miami, in the county of Dade, running in a southerly direction across and through the counties of St. Johns, Flagler, Volusia, Brevard, Indian River, St. Lucie, Martin, Palm Beach, Broward and Dade.

Road No. 141: Commencing at a point on Road No. 90, between Greenwood and Bascom, extending to Malone and to Alabama state line, in the most direct and practical route.

Road No. 142: Commencing at a point on Road 67 at or near Main's Corner in Glades county, Florida, and extending west to LaBelle in Hendry county, Florida, via Citrus Center and Ortona in Glades county, along the most Practical route.

Road No. 143: Extending from Canal Point by way of Pahokee to intersect with State Road No. 25 at town of Belle Glade in Palm Beach county.

Road No. 144: Extending from Milton on State Road No. 1, thence northwesterly via Chumuckla Springs to Bogia on State Road No. 7, thence westerly to an intersection with State Road No. 87.

Road No. 145: Extending from Brighton in Highlands county south to the Indian Prairie canal in Glades county, thence in a southerly direction along a most practicable route over or near the present graded road to State Road No. 29 at Lake Port in Glades county, Florida.

Road No. 146 (Third System): Beginning at a point on State Road No. 28 at or near Keystone Heights, thence running north to Hampton, thence northwesterly from Hampton to intersect State Road No. 68 at or near the Leaston Wynn place, running via Hampton Beach, said road being otherwise known as Road No. 1 of Bradford county.

Road No. 147 (Third System): Extending from Raiford to Sanderson via Bowmanville, thence extending by Lawt Conner's farm in a northeasterly direction to Baxter, and thence to Moniac bridge.

Road No. 148 (Third System): Extending from Olustee, being a southwesterly direction to Road No. 49 at Lake Butler.

Road No. 149: Beginning at Deerfield, Broward county, and running westerly and southerly and entering Miami on N. W. 7th Avenue, locally known as West Dixie Highway.

Road No. 150: Beginning at Campbellton, Florida, and running in an easterly direction through Sills and to connect with Road No. 90 at Malone in Jackson county, Florida.

Road No. 151: Beginning at Seville in Volusia county, and running to Bunnell in Flagler county.

Road No. 152: (Third System): Beginning east of Lafayette creek on Road No. 10, Walton county, and running thence to and across the mouth of the Choctawhatchee river, thence by way of Point Washington in said county to the Gulf of Mexico.

Road No. 153: Beginning at State Road No. 1 at or near Mossy Head in Walton county, Florida, running thence north across Shoal river at Turner's Bridge, thence in a northerly direction and intersecting State Road No. 40 at Gordon in said county.

Road No. 154 (Third System): Extending from Glen St. Mary's via Taylor to Eddy.

Road No. 155: Extending from Lawt Conner's farm in a northeasterly direction to Moniac Bridge via Baxter (Baker County), Florida.

Road No. 156 (Third System): Beginning at a point on State Road No. 23, about two miles south of Zephyrhills in Pasco county and thence run southeasterly along the route of the Atlantic Coast Line railway to Thonotosassa in Hillsborough county.

Road No. 157: Beginning from a point at or near Dinsmore in Duval county and running thence northerly and westerly through the counties of Nassau, Baker and Columbia to a point on the Florida-Georgia state line near St. George, where the same will connect with a Georgia state road from Valdosta through Fargo to the Florida line.

Road No. 158: Extending from Lynn Haven Junction on Road No. 20, running in a northerly direction to Lynn Haven, thence to South Port across the North Bay Bridge and thence to Chipley.

Road No. 159 (Third System): Beginning at Greenwood, thence to Two Egg, Dellwood, Grand Ridge and to connect with road now constructed at Calhoun-Jackson county line, thence along said road to connect with Road No. 6 at Blountstown.

Road No. 160: Begin at a point on State Road No. 81, 230 feet southeasterly of Cow Creek in Levy county and extend in a southeasterly direction to a point ten feet southerly of Station 1159 on State Road No. 15 as located by the survey of State Road No. 15 in Levy county by the State Road Department.

Road No. 161: Extending from Bradenton via Manatee and Waterbury to the intersection of State Road No. 18-A near Verna, over the present constructed road.

Road No. 162: The eastern terminus to be the intersection of Orange avenue in the city of Fort Pierce with line  $1\frac{1}{2}$  miles south of the northern line of Township 35, or as near thereto as to be practical and economical to an intersection with State Road No. 29, thence as directly as pos-

sible, practical and economical, etc., etc., to the city of Sebring, securing a feasible and direct crossing of the Kissimmee River.

Road No. 163 (Third System): Commencing on State Road No. 1 at Grand Ridge, Jackson county, extending from said point in a southerly direction to Blountstown, Calhoun county, to connect with State Road No. 6.

Road No. 164 (Third System): Beginning at a point on Road No. 67 at or near Venus in Highlands county, and extending south to Everglades in Collier county, via Tasmania, LaBelle, Felda and Immokalee along the most practical route. This road to be known as the "Bob Bentley Highway."

Road No. 165: Begin at State Road No. 62 at Jay, thence via Belandville and Bullard to Blackman; thence eastward along the center line of Township 5, crossing Yellow River near Oak Grove; and State Road No. 33 about three miles south of Laurel Hill; continuing eastward through Walton county about five or six miles south of the Alabama line, passing near Gaskins, Glendale and through Darlington; thence in an easterly direction to the intersection of Road No. 88 and the Geneva-Floral Road; thence along said Public Road to Sweet Gum Head; thence in an easterly direction along the most practical route to New Hope, Izagora, Coatsville, Esto, Noma and Elinor; terminating at Graceville in Jackson county.

Road No. 166 (Third System): Begin at a point on Road No. 88 where the same intersects with what is known as the Old Geneva-Floral Road, thence running in an easterly direction as near as practical along the present route of the Old Geneva-Floral Road to Sweet Gum Head, thence in an easterly direction along said road to the Alabama-Florida State line near Bud Outlaw's.

Road No. 167: Beginning in the City of Sebastian and thence in a southerly and westerly direction to the City of Fellsmere.

Road No. 168: Beginning in the Town of Dunnellon and extending in a southwesterly direction to what is known as Red Level in Section 25, Township 17 South, Range 16 East, in Citrus county there to connect with Road No. 15.

Road No. 169: Beginning at the main entrance to Camp J. Clifford R. Foster in Duval county, thence westerly to State Road No. 3 at a point where said road is intersected by a road known as Arthur Street.

Road No. 170: Beginning at a point at the eastern city corporate limits of Fellsmere where said city limits are intersected by the paved highway running from Road No. 4 west to the City of Fellsmere and thence by the nearest and most practical route to a point on spoil bank of Fellsmere Drainage District Main Canal at junction of North Canal Road; this point being four miles east of the southeast corner of Township 30 South, Range 36 East and 97 feet south of county line between Brevard and Indian River Counties; thence run south 89 degrees, 15 minutes west parallel with and 97 feet south of county line, a distance of 10,500 feet; thence offset 30 feet north; thence run south 89 degrees, 15 minutes west parallel with and 67 feet south of county line, a distance of 37,800 feet to Station 483+00; thence south 86 degrees point 0.4 minutes west 5,126.20 feet to Station 524+26.20 at range line between Range 35 and 36; thence south 88 degrees, 42 minutes west parallel with and 30 feet south of county line, a distance of 35,751.80 feet to county line between Indian River and Osceola counties, thence running in a westerly and northerly direction to the Town of Kenansville.

Road No. 171: Beginning at a point on Road No. 28 near Howard's Corner and running in a southwesterly direction to intersect with Road No. 80.

Road No. 172: Beginning at Road No. 143 at Pahokee; thence in a general southwesterly direction by way of Kreamer; thence south and southeasterly by way of Torry to connect with State Road No. 25.

Road No. 173: Beginning at the center of the north line of Section 10, Township 41 South, Range 20 East in Charlotte county at the point of intersection with the road extending from Murdock to Englewood and run south approximately three and one-half miles to New Port Comfort, thence southeasterly to Placida on Gasparilla Pass.

Road No. 174: Beginning at the intersection of the Lake Worth Road and Road No. 140 in Township 44 South, Range 45 East, thence west along the existing Lake Worth Road and thence west along the township line between Township 44 and 45 South to and across the Hillsborough Canal, thence northwesterly along the existing road paralleling Hillsborough Canal with its intersection with Road No. 25.

Road No. 175: Extending from a point on Road No. 10 in Wakulla county between the Wakulla River Bridge and Crawfordville and running to the Wakulla Springs in Wakulla County.

Road No. 176: Beginning at the county line dividing the counties of Martin and Palm Beach, thence southerly via Jupiter, West Palm Beach, Lake Worth, Hypoluxo, Delray, Yamato, Boca Raton, Deerfield, Pompano, Ft. Lauderdale, Dania, Hallandale, Fulford, Arch Creek to the City of Miami along the line and location of what is known and described as the "Old Dixie Highway".

Road No. 177: Beginning at a point in the City of Fort Lauderdale on Road No. 4, running thence in an easterly direction and intersecting Road No. 140 at Los Olas Beach.

Road No. 178: Commencing at a point in the City of Dania on Road No. 4 running in an easterly direction to intersect with Road No. 140.

Road No. 179 (Third System): Beginning at Westville on Road No. 1, thence north in a northwesterly direction by the most direct and practical route to intersect Road No. 88 in Holmes county at the point where the present Westville-Darlington Road crosses Road No. 88.

Road No. 180: Beginning on Road No. 18 in Sarasota county and running along the existing paved road to Verna in Manatee county.

Road No. 181: Beginning at Murdock, Charlotte county, and extending to the Charlotte-Sarasota county line via El-Jobe-An, McCall, Sancassa and New Port Comfort.

Road No. 182: Extending from Road No. 140 where same intersects the city limits of Miami Beach on Collins Avenue and thence south on Collins Avenue to 5th Street, thence west on 5th Street in Miami Beach to the County Causeway in Dade county. Known as the John H. Levi Highway.

Road No. 183: Beginning at Road No. 5 north of the Caloosahatchee River, Lee County, and running westwardly to the waters of Matlacha Pass and over Little Pine Island and on to Pine Island, thence down Pine Island to Bokeelia in Lee county; also from the waters of Matlacha Pass northerly through Lee and Charlotte counties to intersect Road No. 5 near the City of Punta Gorda.

Road No. 184: Extending from the City of Fort Myers in Lee county southeasterly to Immokalee.

Road No. 185: Beginning at a point on Road No. 60 due west of Leonia, Precinct No. 9, Holmes county, thence running in an easterly direction as near as practical to Leonia, thence in a northeasterly direction to Sweet Gum Head on the Geneva-Floral Road.

Road No. 186: Beginning at a point on State Road No. 1 where the present Vernon road crosses same, thence north to the railroad crossing just east of the L. & N. depot, thence north by the high school building, thence continuing north two blocks, thence west along such street to its junction with the street running north and south leading out of the city of Bonifay toward Geneva, Alabama, thence following such route to the city limits of Bonifay, thence in a northwesterly direction along the nearest and most practical route via Bethlehem school house; Driver's cross roads thence along the present route of the Bonifay-Geneva road to intersect the Florida-Alabama state line.

Road No. 187 (Third System): Beginning at Road No. 1 at Milton, thence in a southerly direction via Bagdad to Garcon Point on Pensacola Bay.

Road No. 188 (Third System): Beginning at Road No. 1 at Milton, thence via Hollandtown to a point on Road No. 62 at Jay.

Road No. 189: Extending from the city of St. Augustine in a southwesterly direction to Hastings, thence to Bunnell.

Road No. 190 (Third System): Beginning at State Road No. 1 at Milton, running north via Munson and McLellan to the Alabama state line at or near Alafloora.

Road No. 191: Extending from Road No. 4 at the intersection of the Malabar road and Road No. 4, thence running southwest to a point where the paved road intersects the township line between Townships 28 and 29 South, thence west along said township line to the road located upon the range line between Ranges 36 and 37 East; thence north along said range line to intersect with Road No. 24.

Road No. 192: Beginning on Road No. 80 near Keystone Heights where said road crosses the Clay-Bradford county line and extending along the most practical route to intersect Road No. 13 at Waldo.

Road No. 193. Extending from Road No. 4 in Section 5, Township 41 South, Range 43 East where said road is intersected by Jupiter Concourse; thence west along the Jupiter Concourse or extension thereof to a point in Section 5, Township 41 South, Range 42 East where the existing road bends to the northwesterly; thence in a northwesterly direction to the north township line of Township 41 South, thence on said township line to a point at or near the right of way of the Florida Western and Northern Railway or Seaboard Air Line Railway; thence in a northwesterly direction by the most practical route to a point on Road No. 85 where the same crosses the St. Lucie canal, said point being the junction of Road No. 85 with Road No. 109.

Road No. 194: Extending from Road No. 25 where the same intersects the range line between Ranges 39 and 40 East, thence running in a westerly and northwesterly direction along the West Palm Beach canal to an intersection with the West Palm Beach canal with the right of way of the Florida East Coast Railway; from said point of intersection run thence in a northerly and westerly direction by the nearest practical route to an intersection with Road No. 29 in the northeast quarter of Section 4, Township 38 South, Range 35 East.

Road No. 195: Beginning at a point on Road No. 140 in Section 27, Township 45 South, Range 43 East, where the same is intersected by Ocean avenue; thence west along Ocean avenue and continue west by the most practical route to the range line between Ranges 41 and 42 East, thence by the most practical route in a westerly and southwesterly direction to a point on a certain state road at or near the southeast corner of Section 34, Township 45 South, Range 40 East.

Road No. 196: Beginning at a point on the Old Dixie Highway where the same crosses the Florida East Coast Railway in Section 13, Township 41 South, Range 42 East; thence crossing the Florida East Coast Railway to the east and southerly along the east side of said railway, following the now existing paved road through Kelsey City and eastward to connect with Road No. 4.

Road No. 197: Beginning at the intersection of Road No. 4 with the Old Dixie Highway in Riviera; thence west along the route of the Old Dixie Highway to and across the Florida East Coast Railway; thence northerly along the west side of the Florida East Coast Railway to a point in Section 7, Township 42 South, Range 43 East where the existing road crosses the Florida East Coast Railway, thence across the railroad to a point of intersection with a certain existing road which runs along the east side of the Florida East Coast Railway.

Road No. 198: Beginning at a point on Road No. 25 where the same crosses Hillsborough canal in Section 18, Township 44 South, Range 38 East; thence run in a southeasterly direction along the said Hillsborough canal along the southwest bank thereof to a point in Section 14, Township 45 South, Range 38 East, said point to be more definitely fixed and established by the State Road Department, thence across Hillsborough canal to the northeasterly bank thereof, thence south along the northeasterly bank of said canal to a point on the north side of a proposed canal to be dug along the south township line of Township 45 South by the Everglades Drainage District; thence east along the south line of Township 45 South and along the north side of said proposed canal to a point where said proposed canal bends to the southeast which point is at or near the section line between Sections 34 and 35, Township 45 South, Range 40 East, thence run in a southeasterly direction along the northeast bank of the proposed canal to a point where the same is proposed to cross the line forming the south boundary of Sections 13, 14, 15, 16, 17 and 18 in Township 46 South, Range 41 East, thence east along the aforesaid south boundary line of said sections to the western terminus of that road known as the West Delray Road which is approximately the southeast corner of Section 13 in said township and range; thence easterly along the Delray West Road to Atlantic avenue in the Town of Delray to Road No. 140, said point of intersection being in Section 16, Township 46 South, Range 43 East.

Road No. 199: Beginning on Road No. 25 where the same is intersected by range line between Ranges 41 and 42 East, thence run south along the said range line to a point on Road No. 149 which is at or near the intersection of said range line with Road No. 149.

Road No. 200: Beginning on Road No. 4 where the same is crossed by Road No. 140 in Martin county south of Olympia, thence run southerly along the Old Dixie Highway to a point in Section 13, Township 41 South, Range 42 East where the Old Dixie Highway crosses the Florida East Coast Railway. From this point continue in a southwesterly direction to a point approximately one-half mile west of the southeast corner of Section 13 aforesaid; thence continue south by the most practical route which shall be as near as practical through the center of the tier of sections south of Section 13 aforesaid to a point on Road No. 149 which is approximately one mile west of range line between Ranges 42 and 43 East.

Road No. 201: Beginning on Road No. 140 at the intersection thereof with an extension to the eastward of Lake Avenue in the Town of Lake Worth, thence west to Lake Avenue in Lake Worth:

thence northwesterly to Lucerne Avenue in Lake Worth, thence west on Lucerne Avenue and west Lake Worth road to the range line between Ranges 41 and 42 East to connect with a certain other state road running along or near and parallel to said range line.

Road No. 202: Beginning at the southwest corner of the southeast quarter of the southeast quarter of Section 28, Township 20, Range 32 in Seminole county where it intersects with Road No. 44 and running in a southwesterly direction along the paved road as now located and known as the Oviedo-Geneva Road to the intersection of Broadway and Bay streets in Oviedo, and thence running west approximately five-eighths of a mile; thence in a southwesterly direction along the present paved road as now located and known as the Oviedo-Winter Park road, to its intersection with the Orange county line at the southwest corner of the southeast quarter of the southeast quarter of Section 35, Township 21 South, Range 30 East in the county of Seminole, thence continuing and following the present paved road to the point where said road intersects with the city limits of the Town of Winter Park.

Road No. 203: Beginning on Road No. 3 approximately three miles south of Sanford where the present road to Oviedo intersects Road No. 3, thence along said paved road to intersection of Broadway and Bay Streets in the Town of Oviedo; thence running in a southeasterly direction along the paved road as now located and known as the Chuluota-Oviedo road to Chuluota; thence continuing south along section line between Sections 28 and 29 and 32 and 33, Township 21, Range 32 East to its intersection with the Orange county line and thence continuing along the present paved road to its intersection with State Road No. 22.

Road No. 204: Beginning at the city limits of Jacksonville in the vicinity of what is known as the Lackawanna Section; thence running in a southwesterly direction along the most practical route to an intersection with Road No. 13 in the Town of Maxville, to be known as the "Gainesville Short Route."

Road No. 205: Beginning at a point on Road No. 27 and Krome Avenue and thence running in a southerly direction to Homestead; thence on road known as Ingraham Highway to Cape Sable.

Road No. 206: Beginning at Road No. 4 in Cocoa, thence easterly to the east line of the City of Cocoa along the present highway to Merritt; thence to Georgianna; thence to Courtenay via Merritt along the county highway as now constructed.

Road No. 207: Beginning at a point in the corporate limits of Polk City where Road No. 2 intersects with highway running in an easterly direction towards Haines City and from said point by the most practical route to Haines City.

Road No. 208: Beginning at Davenport in Polk County on Road No. 2, running westerly and northerly through Polk county across the northwest corner of Osceola county; thence in Orange county in a northerly and easterly direction to a point on State Road No. 22 approximately two miles west of Winter Garden.

Road No. 209: Beginning at a point on Road No. 15 at Elfers, thence running easterly to Odessa, Denham, Wesley's Chapel, Zephyrhills, to a point on Road No. 34 at or near the bridge crossing Hillsborough River.

Road No. 210: Extending from a point on Road No. 15 in New Port Richey through Lake Jovita, Dade City, Trilby, Lacoochee and Riverland to a point on Road No. 2 at Roseland.

Road No. 211: Beginning at intersection of State Road No. 14, 457.7 feet south of the north-

east corner of Section 27, Township 10 South, Range 21 east through Phiefer Station to Island Grove; thence in an easterly direction to the southeast corner of lot 26 in Section 7, Township 12 south, Range 22 east to intersection of Road 47-A to be known as Dell Highway.

Road No. 212: Beginning at the State Road in the Town of Okahumpka and thence running in an easterly direction through the Town of Yalaha; thence through the Town of Howey-In-The-Hills in a southerly direction to the Town of Groveland.

Road No. 213: Beginning at Road No. 1 at or near Argyle running in a southeasterly direction via Euchee Valley Church thence easterly and southeasterly to and connecting with Road No. 88 near the lower bridge on Bruce Creek in the most practical route.

Road No. 214: Beginning at a point on Road No. 15 in Brooksville; thence to Tavares via Croom, St. Catherine, Webster, Center Hill, Howey-In-The-Hills to intersect Road No. 2 at Tavares.

Road No. 215: Beginning at intersection of Road No. 2 and a highway leading in a southeasterly direction through Polk City and from said point by the nearest and most practical route to Winter Haven via Lake Alfred and Florence Villa to where said road intersects the City of Winter Haven with Road No. 2, leading from Haines City to Winter Haven.

Road No. 216 (Third System) Beginning at a point in the Town of Macclenny branching from Road No. 49, thence running north for approximately 3 miles; thence northeast to the Georgia line to the steel bridge over the St. Mary's River. To be known as Knabb Highway.

Road No. 217: Beginning at intersection of State Road No. 8 with the section line between sections 23 and 24 of Township 35 South, Range 39 East; thence running north to the road running west from Indrio; thence west 1 mile; thence running north to northeast corner of Section 27, Township 33, Range 39 East; thence running west to the northwest corner of Section 29, Township 33 South, Range 39 East; thence running north along lateral A road to the northwest corner of Section 31, Township 31 South, Range 39 East; thence running west 1 mile; thence running north to City of Sebastian.

Road No. 218: Beginning at Road No. 1 at a point about 1 mile west of Mossy Head and extending to State Road 10 at or near Niceville.

Road No. 219: Extending from Road 119 near Wilson and running in a southerly direction via Orsino to Courtenay in Brevard county.

Road No. 220: Beginning on a point on Road No. 5 just south of Sarasota thence in an easterly direction to a point on Road No. 18. Said road being known as "The Sugar Bowl Road."

Road No. 221: Extending from Sumner on Road No. 13 to Vista, Fowler Bluff and Janney to intersect with Road No. 64 in Levy County at or near Long Pond School house. This road to be known as the T. J. Yearty Highway.

Road No. 222: Beginning at Fourth Street in Stuart and running in an easterly direction to Port Sewell, thence bearing southerly and westerly crossing the Old Dixie Highway; thence west to an intersection with present Road No. 4 following as near as practical the present road in Martin County.

Road No. 223: Extending from Hobe Sound following route of old Road No. 4, south as nearly as practical to said Martin-Palm Beach county line.

Road No. 224: Beginning at the Atlantic Ocean, thence westerly across the Jensen bridge over Indian River to Road No. 4 in Martin county, thence west to the Old Dixie Highway, thence southerly along Old Dixie Highway to where Old Dixie Highway intersects county road, running west to said Road No. 4, thence using said county road to its intersection with Road No. 4 in Martin county.

Road No. 225 (Third System): Extending from the City of Ocala to Bushnell via Pedro, Rutland, Panasoffkee Outlet.

Road No. 226: Beginning at the Florida-Alabama line immediately south of Atmore; thence in a southerly direction to Sage bridge paved road and connecting with said road as near Beulah Settlement as practical.

Road No. 227: Beginning at the western edge of Molino bridge and extending in a westerly direction to Perdido river via Barrineau Park.

Road No. 228: Beginning at intersection of Road No. 17 in Tampa Shores, thence northwesterly in Pinellas county, Road No. 3 crossing State Road No. 15 at "Four Corners" to the waters of Clearwater Bay in Ozona.

Road No. 229: Extending from Safety Harbor bridge on Road 17 to intersection of Road 15 at Dunedin.

Road No. 230: Extending from intersection of Road 64, Gandy Boulevard, thence south via Fourth Street in the City of St. Petersburg to Point Pinellas.

Road No. 231: Beginning at intersection of county roads No. 74 and 3 at Drider's Corner in Section 7, Township 28 South, Range 16 East, and follow the present pavement in a northerly direction through Sections 7 and 6, Township 28 South, Range 16 East, and Section 31, 30, 19 and 18, Township 27 South, Range 16 East to the intersection of Tarpon avenue in Section 7, Township 27 South, Range 16 East.

Road No. 232: Commencing at intersection of Disston Avenue and Tarpon Avenue and following present pavement through Sections 7, 8, 9, 10, 11 and 12, Township 27 South, Range 16 East, to Hillsborough county line.

Road No. 233: Extending from intersection of Road 15 with intersection of County Road 77 across Welch's Causeway and thence in southerly direction toward Sand Key and Long Key over county roads Numbers 66, 65 and 62.

Road No. 234: Beginning on Road 33 at southwest corner of Section 36, Township 6 north, Range 22, west; thence running south 6 miles to Township line of Township 5 North, Range 22 West; thence west 1 mile; thence south approximately 6 miles to a point on Road No. 1 at Deerland.

Road No. 235: Beginning about 1 mile south of Baker on Road 46 and extending to a point on Road 1 at Galliver's.

Road No. 236: Extending from a point on Road No. 5-A at or near Ft. White; thence in an easterly direction toward Mikesville on Road 2 following the present route as nearly as practical.

Road No. 237: Beginning at intersection of Road 2 and Road 23 at Belleview, thence southwesterly to intersection of Orange Avenue Road at Monroe's Corner in Marion county.

Road No. 238: Beginning at intersection of Road 2 at Santos, thence west to intersection of Orange county road in Marion county.

Road No. 239: Beginning at intersection of Road 2 and the Orange county road near Ocala; thence south to Sumter county line via Dank's Corner and Pedro.

Road No. 240: Beginning on Road 2 in Zuber, thence west to an intersection of Road No. 5 at Morriston via Emathla and Blitchton.

Road No. 241: Beginning on Road No. 2 at McIntosh, thence west towards Wacahoota to the intersection of Flemington-Micanopy road, thence to intersection of Road 31 at Sparrs via Flemington, Fairfield and Lowell.

Road No. 242: Beginning where Wyomena street meets the east city limits of Ocala, thence east via Sharpes Ferry to an intersection of Road 19 at or near Lynne.

Road No. 243: Beginning at a point on Road 31, approximately 1½ miles north of Sparr; thence east via Ft. McCoy, Eureka, Kerr City to an intersection of Road No. 45 at or near Salt Springs.

Road No. 244: Beginning at a point on Road 19, approximately 2 miles East of Silver Springs thence north to intersect with Road 47-A, south of Orange Springs via Fort McCoy and Bay Lake.

Road No. 245: Beginning at intersection of Road 2 at Reddick thence west to intersection of the Lowell-Flemington road near Fairfield in Marion county.

Road No. 246: Beginning at intersection of Road 74 and the Shady road southwest of Ocala; thence southwest to intersection of Orange Avenue road via Shady.

Road No. 247: Beginning at intersection of Candler road and Road No. 2; thence north to Candler.

Road No. 248: Beginning at the intersection of Emerson avenue with the south boundary line of Indian River county and then running north to the intersection of said Emerson avenue with Road No. 30 in Indian River county.

Road No. 249: Beginning at the south boundary line of Indian River county, thence in a northerly direction along the King's Highway to the point where said highway intersects Road 4 near the City of Sebastian.

Road No. 250: Beginning at a point where lateral A intersects with the present paved highway commonly known as Oslo road; thence running north to the point that said lateral A road connects with road running east and west, which said point is at the common corner of Sections 29, 30, 31 and 32, Township 31 South, Range 39 East.

Road No. 251: Beginning at the lateral A road; thence to the highway now existing on the peninsula lying between Indian River and Atlantic Ocean in Indian River county.

Road No. 252: From paved highway now existing between Sebastian and Fellsmere, running southerly and easterly through the City of Wabasso and thence to highway now existing on the peninsula in said county; thence along said highway in a southerly and easterly direction to the

bridge across Indian River to the City of Vero Beach and thence westerly through the limits of said city to Road No. 30, known as Osceola Boulevard.

Road No. 253: That certain highway now existing in Indian River county and known as North Gifford and South Gifford roads from a point where each of said roads intersect road in said county known as lateral A and thence east to the point where said roads intersect Road No. 4.

Road No. 254: From intersection with Road No. 4, and existing highway; thence in a westerly direction to the village of Roseland.

Road No. 255: Beginning at the quarter corner between sections 2 and 3, Township 33 South, Range 38 East, said corner being on right of way of Road No. 30; thence South  $3\frac{1}{2}$  miles between sections 2 and 3, 10 and 11, 15 and 14, 22 and 23 to the common corner of Sections 22 and 23, 26 and 27, Township 33 South, Range 38 East; thence east  $8\frac{1}{2}$  miles more or less, between sections 23 and 26, 24 and 25 in Township 33 South, Range 38 East and between Sections 19 and 30, 20 and 29, 21 and 28, 22 and 27, 23 and 26, and 24 and 25 in Township 33 South, Range 39 East and between Sections 19 and 30, Township 33 South, Range 40 East, to the intersection of Road No. 4 in Indian River county.

Road No. 256: Beginning at the Town of Howey-In-The-Hills and extending in an easterly direction crossing State Road No. 55 and continuing through the Town of Montverde and Ferndale to an intersection with Road 22 near Warner's filling station and thence from Road 22 in a southerly and westerly direction to the City of Clermont in said city on Minnehaha.

Road No. 257: Beginning at the Town of Howey-In-The-Hills and running thence southeasterly to intersection of sand-clay road on north shores of Lake Minneola and thence east around Minneola to intersect with Road 55 at Minneola and leave said road 55 on Main street of Town of Minneola and continuing south on Main and extension thereof to East avenue in the City of Clermont, thence on East avenue to intersect with Minnehaha in the City of Clermont and continuing east on said East Avenue and the extension thereof known as Roller Coaster Highway to its intersection with clay road running south through development by Postal Colony Company in Sections 33 and 34, Township 22 South, Range 26 East, and thence south on said road and continuing south to intersection of clay road on east side of Lake Louise, thence in a general southeasterly direction connecting at the most practical point on the present hard surface road known as Kissimmee-Lake Wilson road and running thence east on said hard surface road to a point where the same intersects the present hard road between Kissimmee and Vineland and thence on the Kissimmee-Vineland road via Shingle Creek to Kissimmee, Lake and Osceola counties.

Road No. 258: Commencing at a point on Road 28 at the northeast corner of Section 9, Township 12 South, Range 29 East, thence south three miles connecting with road now constructed at Holland's Corner, thence along said road in a southern direction 8 miles to Orange Hammock, thence continuing south and southeast five miles more or less to connect with State Road No. 134, all in Flagler county, said road to be known as Holland Highway.

**STATE ROAD DEPARTMENT OF FLORIDA**  
**State System of Roads by Counties and Types as of December 31, 1932**

Type	Lake		Lee		Leon		Levy		Liberty		Madison		Manatee		Marion		Martin	
	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.
Concrete		13.40			64.76						15.99		9.40				4.36	
A. Concrete	23.59												1.28		10.54			
Sheet Asphalt	17.56	2.65		0.86										0.55	0.28	1.00	20.82	
Bit. Macadam			40.81	1.53									11.81					
R. B. S. T.	138.50	42.80	8.45		6.45		121.90	13.10			45.02		69.10	0.10	226.50	85.80	71.11	15.90
Sand Asphalt			6.70													15.30		
S. C. S. T.					22.67													
Sand Clay		16.10		14.77							32.80							
Shell S. T.													2.95					
Shell													7.55					
Brick		4.40		2.10														
Bk.-Conc. Sh'lders.		3.75																
Brick—R. S. S. T.																		
Concrete—R.S.S.T.																		
Sheet Asp't R.S.S.T.																		
Rock Asphalt																		
Marl S. T.				18.00														
Marl				1.40														
Top Soil S. T.																	0.20	
Asphalt Block																	5.80	
Local Rock							45.40										26.39	
Graded	6.81	12.90		44.50		44.50	10.26		45.40	88.80	11.02	28.30		18.30			45.90	
Trail		13.70				3.00				12.00							43.30	
Proposed Road		28.80				17.26								10.05			10.20	10.00
TOTAL	186.46	138.50	55.96	83.16	93.88	64.76	132.16	152.14	45.48	100.80	72.03	61.10	91.59	39.50	237.32	187.99	142.19	25.90

Type	Monroe		Nassau		Okaloosa		Okeechobee		Orange		Osceola		Palm Beach		Pasco	
	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.
Concrete			24.26										17.21			
A. Concrete									39.36		3.30					
Sheet Asphalt									8.56					8.50		
Bit. Macadam			10.01						13.51	2.00						
R. B. S. T.	98.00		14.93				67.85		17.66	18.10	58.39		148.08	55.10	107.30	67.70
Sand Asphalt					21.37						20.20					
S. C. S. T.					70.23	14.10										
Sand Clay																
Shell S. T.																
Shell																
Brick									17.24	5.50						
Bk.-Conc. Sh'lders.																
Brick—R. S. S. T.																
Concrete—R.S.S.T.									12.27		10.31					
Sheet Asp't R.S.S.T.													2.87			
Rock Asphalt														2.00		
Marl S. T.																
Marl														4.00		
Top Soil S. T.																
Asphalt Block																
Local Rock	16.58													3.10	3.80	
Graded		15.00	31.54		20.50	78.70	12.72	18.00				12.30		24.80		
Trail				14.50		8.20										9.40
Proposed Road		37.50						29.00				35.00		179.40		7.70
TOTAL	114.58	52.50	80.74	14.50	112.10	101.00	80.57	47.00	108.60	25.60	92.20	47.30	174.66	277.60	107.30	84.80

**STATE ROAD DEPARTMENT OF FLORIDA**  
**State System of Roads by Counties and Types as of December 31, 1932**

Type	Alachua		Baker		Bay		Bradford		Brevard		Broward		Calhoun		Charlotte		Citrus	
	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.
Concrete	0.20		25.31		9.10	0.30			9.90		19.55							
A. Concrete																		
Sheet Asphalt	12.61											1.80						
Bit. Macadam	24.01										6.26							
R. B. S. T.	153.34	4.10			52.59		63.24		106.49	14.20	48.22	24.90			52.57	8.50	50.37	17.70
Sand Asphalt					6.90													
S. C. S. T.													35.13					
Sand Clay							13.10											
Shell S. T.																		
Shell																		
Brick																		
Bk.-Conc. Sh'lders.																		
Brick-R. S. S. T.																		
Concrete-R.S.S.T.																		
Sheet Asp't R.S.S.T																		
Rock Asphalt																		
Marl S. T.															18.23	9.30		
Marl																		
Top Soil S. T.																		
Asphalt Block		4.20																
Local Rock		31.20		86.85	19.82	30.20	9.18	23.10		32.60		17.10		55.00			3.50	19.00
Graded		5.50		20.30		3.00								12.00				20.57
Trall		42.30								6.50		26.00				3.50		
Proposed Road																		
TOTAL	190.16	87.30	25.31	107.15	88.41	33.50	72.42	36.20	116.39	53.30	74.03	69.80	35.13	67.00	70.80	21.30	53.87	57.27

Type	Clay		Collier		Columbia		Dade		DeSoto		Dixie		Duval		Escambia	
	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.
Concrete					23.22		4.38		1.28				40.95		68.15	
A. Concrete																
Sheet Asphalt							11.73						29.83			
Bit. Macadam					9.98				24.55				3.10			
R. B. S. T.	62.94	17.30	80.85		36.40		115.20	16.40	24.92		29.86		7.95	9.10	15.45	
Sand Asphalt															14.42	
S. C. S. T.															2.50	
Sand Clay																
Shell S. T.													6.64			
Shell														4.00		
Brick													16.59	2.30		
Bk.-Conc. Sh'lders.																
Brick-R. S. S. T.									5.41							
Concrete-R.S.S.T.									9.60							
Sheet Asp't R.S.S.T																
Rock Asphalt																
Marl S. T.																
Marl			40.00						6.79							
Top Soil S. T.																
Asphalt Block																
Local Rock													16.90			
Graded		47.00	2.81			36.60	14.82	23.30				1.10				
Trall		2.10				49.65						24.30	1.66	28.50	5.00	83.20
Proposed Road		7.00						1.50				69.50				1.30
TOTAL	62.94	73.40	123.66	0.00	69.60	86.25	146.13	41.20	72.55	0.00	29.86	111.80	106.72	43.90	90.07	99.95

STATE ROAD DEPARTMENT OF FLORIDA  
State System of Roads by Counties and Types as of December 31, 1932

Type	Flagler		Franklin		Gadsden		Gilchrist		Glades		Gulf		Hamilton		Hardee		Hendry	
	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.
Concrete					34.76													
A. Concrete																		
Sheet Asphalt						0.30												
Bit. Macadam																		
R. B. S. T.	38.19	0.40	26.91		1.50		17.76		18.69		31.23		39.27		43.50	21.70	34.69	
Sand Asphalt																		
S. C. S. T.			12.69								6.04							
Sand Clay																		
Shell S. T.			8.30															
Shell																		
Brick		7.50													0.40			
Bk.-Conc. Sh'lders.																		
Brick-R. S. S. T.		14.50													10.62			
Concrete-R.S.S.T.																		
Sheet Asp't R.S.S.T.																		
Rock Asphalt																		
Marl S. T.																		
Marl									47.86								30.30	
Top Soil S. T.											17.39							
Asphalt Block																		
Local Rock																		
Graded	21.69	35.60	8.87	25.50	26.44	21.45	10.49	8.00	21.00	27.70	13.50		43.90		9.30	3.20		
Trail								5.00										
Proposed Road		6.50		3.30				43.50		11.70								
								14.50										
Total	59.88	64.50	56.77	28.80	62.70	21.75	28.25	71.00	87.55	39.40	54.66	13.50	39.27	43.90	54.12	31.40	68.19	0.00

Type	Hernando		Highlands		Hillsborough		Holmes		Indian River		Jackson		Jefferson		La Fayette	
	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.
Concrete					33.12				12.76	0.80	5.76		9.10			
A. Concrete																
Sheet Asphalt	9.53		3.79	5.90								0.80				
Bit. Macadam									7.73							
R. B. S. T.	48.17	17.10	88.28		11.79				33.66	39.30	3.54		23.74		30.86	
Sand Asphalt				1.90					8.74	1.00						
S. C. S. T.							23.33				84.56		5.31			
Sand Clay				3.70										7.50		23.20
Shell S. T.																
Shell																
Brick					21.38					0.10						
Bk.-Conc. Sh'lders.																
Brick-R. S. S. T.																
Concrete-R.S.S.T.																
Sheet Asp't R.S.S.T.																
Rock Asphalt																
Marl S. T.																
Marl																
Top Soil S. T.																
Asphalt Block					49.43											
Local Rock		0.50														
Graded				52.55			38.07	74.90		57.50	23.90	156.80	51.95	45.80		28.40
Trail								3.00						14.58		10.30
Proposed Road		20.50		33.05		14.12			8.00					16.50		
TOTAL	57.70	38.10	92.07	97.10	115.72	14.12	61.40	77.90	62.89	106.70	117.76	157.60	90.10	84.38	30.86	61.90

STATE ROAD DEPARTMENT OF FLORIDA  
State System of Roads by Counties and Types as of December 31, 1932

Type	Pinellas		Polk		Putnam		St. Johns		St. Lucie		Santa Rosa		Sarasota		Seminole		Sumter	
	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.
Concrete			14.57				15.57		20.70		0.40							
A. Concrete				1.50									16.90					
Sheet Asphalt			65.44	20.85	2.35		14.50					6.25			6.30			
Bit. Macadam					12.79										3.03			
R. B. S. T.	2.82	11.90	18.40	53.75	68.71	7.05	78.83		54.38	9.30			64.83	3.45	15.20	25.25	85.23	18.20
Sand Asphalt											23.60							
S. C. S. T.											17.77	1.40						
Sand Clay																		
Shell S. T.																		
Shell																		
Brick	22.85	4.00				1.50	1.75	13.60							7.40			
Bk.-Conc. Sh'lders.											5.96							
Brick-R. S. S. T.	10.00		1.22		9.69	1.90	0.99								1.40			
Concrete-R.S.S.T.																		
Sheet Asp't R.S.S.T.			26.03															
Rock Asphalt																		
Marl S. T.																		
Marl																		
Top Soil S. T.																		
Asphalt Block	52.24	9.00		0.32														
Local Rock																		
Graded			17.52	12.40	6.18	30.55	44.13			1.50	40.17	125.25		2.90				44.24
Trail				6.25		3.00						26.30						28.80
Proposed Road				22.38		6.00				11.30								37.68
Total	87.81	24.90	143.18	117.45	99.72	50.00	141.27	28.10	74.45	22.10	87.90	152.95	87.98	6.35	33.33	25.25	85.23	128.92

Type	Suwannee		Taylor		Union		Volusia		Wakulla		Walton		Washington		TOTAL	
	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.	Under Maint.	Not Under Maint.
Concrete	12.68						20.64	0.50					3.90		521.35	15.00
A. Concrete															94.87	1.50
Sheet Asphalt							24.45								219.50	59.71
Bit. Macadam				1.40											170.99	2.93
R. B. S. T.	61.00		25.64	29.40	44.91		92.37	17.15	26.87						3,215.15	680.20
Sand Asphalt															87.51	18.20
S. C. S. T.											47.71		8.15		348.01	15.50
Sand Clay		21.80				1.00					35.13				37.63	119.20
Shell S. T.									3.77						18.71	17.72
Shell															0.00	11.65
Brick							2.60								89.61	41.30
Bk.-Conc. Sh'lders.							11.40	4.20							17.36	7.95
Brick-R. S. S. T.															61.91	16.40
Concrete-R.S.S.T.															9.60	0.00
Sheet-Asp't R.S.S.T.															26.03	0.00
Rock Asphalt															2.87	2.00
Marl S. T.															0.00	18.00
Marl															143.18	14.70
Top Soil S. T.															17.39	0.00
Asphalt Block															191.77	9.52
Local Rock															16.58	103.60
Graded		48.15	17.13	10.40	2.50	15.85	13.25	14.60	4.50	47.80	60.13	73.20	12.42	48.40	667.66	2,020.35
Trail		24.15		11.05				25.70		30.19		16.60			0.00	500.73
Proposed Road				50.00				3.50		39.65		7.00			0.00	867.07
Total	73.68	94.10	42.77	102.25	47.41	16.85	164.71	65.65	35.14	117.64	142.97	96.80	24.47	48.40	5,867.78	4,543.23

CHAPTER 10186—(No. 164).

AN ACT to Regulate the Operation of Motor-Driven and Other Vehicles on the Public Highways of the State of Florida and to Provide for the Enforcement, and Punishment for the Violation of this Act.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF FLORIDA:

Section 1. No person shall operate a motor vehicle upon the public highway of this State recklessly, or at a rate of speed greater than is reasonable and proper, having regard to the width, traffic, and use of the highway, or so as to endanger the property or the life or limb of any person; Provided, that a rate of speed in excess of twenty-five miles per hour in the residence portion of any city, town or village, and a rate of speed in excess of fifteen miles per hour in the business portion of any city, town or village, and a rate of speed in excess of forty-five miles per hour on any public highway outside of the corporate limits of any incorporated city or town, of motor-driven vehicles weighing less than five thousand pounds shall be deemed prima facie evidence of reckless driving. That a rate of speed in excess of fifteen miles per hour in the residence portion of a city, town or village, and a rate of speed in excess of ten miles per hour in the business portion of any city, town or village, and a rate of speed in excess of thirty miles per hour on any public highway outside of the corporate limits of any city or town, of motor-driven vehicles weighing more than five thousand pounds and less than sixteen thousand pounds shall be deemed a violation of this Section; that a rate of speed in excess of ten miles per hour in the residence portion of any city, town or village, and a rate of speed in excess of eight miles per hour in the business portion of any city, town or village, and a rate of speed in excess of twenty miles per hour on any public highway outside of the corporate limits of any incorporated city or town, of motor-driven vehicles weighing more than sixteen thousand pounds shall be deemed a violation of this Section; that the speed of all motor-driven vehicles shall be reduced on curves in such manner as to keep the vehicle under the entire control of the driver, provided, further, that no person shall operate upon the public highway inside the corporate limits of any incorporated city or town of this State a motor vehicle with muffler cut-out open.

Sec. 2. All motor vehicles shall be provided with lights in front and light in rear. The front or driving lights shall be of the tilting variety or some other device which will kill the glare of the driving lights.

Sec. 3. It shall be unlawful to stop any motor vehicle on the public roads, for either convenience or repair, but in all cases where possible to do so shall turn off the road to the right and the left wheel nearest the center of the paving shall not be more than one foot on the side of the paving. All vehicles shall drive on the right side of the road except when passing a slower vehicle.

Sec. 4. It shall be unlawful to operate upon any hard-surfaced road in Florida any log cart, tractor, well machine or any steel tired vehicle other than the ordinary farm wagon or buggy, or any other vehicle or machine that is likely to damage a hard-surfaced road except ordinary wear and tear on the same.

Sec. 5. It shall be unlawful for any officer in the discharge of his duties, as provided in this Act, to demand an excessive appearance bond and in all such cases the gravity of the offense committed shall be considered in the requirement of such appearance bonds.

Sec. 6. It shall be unlawful for any city or town to pass or attempt to enforce any ordinance in conflict with the provisions of this Act. Provided, however, that this Act shall not apply to school zones.

Sec. 7. Any person convicted of the violation of any of the provisions of this Act shall be guilty of a misdemeanor and upon conviction shall be punished by a fine of not more than one hundred (\$100.00) dollars or by imprisonment for not more than ninety (90) days, or by both such fine and imprisonment.

Sec. 8. All laws and parts of laws in conflict herewith are hereby repealed.

Sec. 9. This Act shall take effect upon its becoming a law.

Approved June 8, 1925.

**RULES AND REGULATIONS OF THE SECRETARY OF AGRICULTURE FOR CARRYING OUT THE FEDERAL HIGHWAY ACT (EXCEPT THE PROVISIONS THEREOF RELATIVE TO FOREST ROADS).**

**REGULATION 1.—DEFINITIONS**

Section 1. For the purposes of these regulations, the following terms shall be construed, respectively, to mean:

*Act.*—The Act of Congress approved July 11, 1916, entitled "An act to provide that the United States shall aid the States in the construction of rural post roads, and for the other purposes" (30 Stat. 355), as amended by the act of Congress approved February 28, 1919, entitled "An act making appropriations for the service of the Post Office Department for the fiscal year ending June 30, 1920, and for other purposes" (40 Stat. 1200, 1201), and as amended by the act of Congress approved November 9, 1921, entitled "An act to amend the act entitled 'An act to provide that the United States shall aid the State in the construction of rural post roads, and for other purposes,' approved July 11, 1916, as amended and supplemented, and for other purposes" (Public, No. 87, 67th Cong.)

*Secretary.*—The Secretary of Agriculture of the United States.

*Bureau of Public Roads.*—The Bureau of Public Roads of the United States Department of Agriculture.

*Authorized Representatives of the Secretary.*—The Chief of the Bureau of Public Roads and such other officials and employees thereof as he may designate from time to time.

*Federal Aid Highway System.*—The system of Federal aid highways, established by actual agreement and joint action of the States and the Secretary of Agriculture, and upon which all Federal aid funds shall be spent.

*Primary Highways.*—The primary or interstate portion of the Federal aid highway system composed of not to exceed three-sevenths thereof.

*Secondary Highways.*—The secondary or inter-county portion of the Federal aid highway system consisting of at least four-sevenths thereof.

*Ten Per Cent Fund.*—Items for engineering, inspection, and unforeseen contingencies not exceeding 10 per cent of the total estimated cost of the construction.

**REGULATION 2.—APPLICATION OF REGULATIONS**

Section 1. These regulations apply to all provisions of the act, except the provisions thereof relative to forest roads and trails, unless hereafter so made applicable by order of the Secretary.

Section 2. These regulations shall apply as fully where the extent to which the State may engage in road construction and maintenance work, or raise State revenues therefor, is limited by its existing constitution and laws and as in any other case.

**REGULATION 3.—INFORMATION FOR THE SECRETARY**

Section 1. Before any agreement is made upon any road or roads to be constructed in a State, or as to the character and method of construction, there shall be furnished the Secretary upon his request, by or on behalf of the State, general information as to its laws affecting roads and the au-

thority of the State and local officials in reference to the construction and maintenance of roads; as to the State highway departments, how equipped and organized; as to the existing provisions of its constitution or laws relative to State revenues for the construction, reconstruction, or maintenance of roads; as to funds that will be available to meet the State's share of the cost of the construction work to be performed and the general source of such funds; and as to provisions made, or to be made for maintaining roads upon which Federal aid funds will be expended.

Sec. 2. Information requested by the Secretary or his authorized representatives relating to the maintenance of roads constructed under the provisions of the act shall be furnished, from time to time, by the State highway departments, on forms supplied by the Bureau of Public Roads.

Sec. 3. Data furnished by or on behalf of a State shall be supplemented by such reports of the Bureau of Public Roads as the Secretary may from time to time require.

#### REGULATION 4—FEDERAL AID HIGHWAY SYSTEM MAP

Section 1. Each State highway department shall file with the Secretary of Agriculture a State map showing the proposed Federal aid highway system and indicating the primary and the secondary portions thereof, in such form and with such information as he may require.

Sec. 2. The Secretary, through his authorized representatives, will make an examination of the proposed system and will from time to time notify the State highway department of the acceptability of the parts of the system examined.

Sec. 3. When agreement has been reached between the State highway department and the Secretary as to the whole (or if the State so desires, of a material portion) of the Federal aid highway system, the State shall make formal request for the approval of the Secretary of Agriculture. This request will be accompanied by a State map showing the full proposed Federal aid highway system with the primary and secondary highways upon which formal approval is requested, in such form and with such information as may be prescribed by the Secretary or his authorized representatives.

Sec. 4. Pending the formal approval of the State highway system in whole or in part by the Secretary of Agriculture, only such projects will be approved as are on routes indicated on the proposed Federal Aid highway system as submitted under section 1 and tentatively accepted by the Secretary of Agriculture under section 2 of this regulation: Provided, That the Secretary of Agriculture may approve project statements submitted by State highway departments prior to the selection, designation, and approval of the system of Federal aid highways herein provided for if he may reasonably anticipate that the projects will become a part of such a system.

#### REGULATION 5.—PROJECT STATEMENTS

Section 1. A project statement may be submitted for the whole or any part of a continuous route or routes embraced in the Federal aid highway system selected or designated in accordance with the provisions of the act, preference being given to such projects as will expedite the completion of a system of highways interstate in character.

Sec. 2. Prior to the selection, designation, and approval of the Federal aid highway system, project statements may be submitted for any route or part of a route if the Secretary may reasonably anticipate that such route will become a part of such system. After the Federal aid highway system shall have been selected, designated and approved no project statements shall be submitted for any route or part of a route not embraced in the system so selected, designated and approved.

Sec. 3. A project statement shall contain such information as the Secretary may require to be submitted on a form supplied by the Bureau of Public Roads and shall be accompanied by a sketch map in sufficient detail and covering such length of road as may be necessary to determine the fitness of the location as a part of the Federal aid highway system and with the termini of the proposed improvement indicated thereon.

#### REGULATION 6.—SURVEYS, PLANS, SPECIFICATIONS, AND ESTIMATES

Section 1. The surveys, plans, specifications and estimates shall show in convenient form and detail the work to be performed, and the probable cost thereof, all in conformity with the standards, governing form, and arrangement prescribed by the Secretary.

Sec. 2. Copies of the specifications shall be submitted with the plans and estimates, except that where standard specifications have been approved by the Chief of the Bureau of Public Roads a statement to the effect that approved standard specifications govern may be submitted in lieu of printed documents.

Sec. 3. Until plans, specifications, and estimates for a project or part thereof have been submitted and found satisfactory for recommendation and the State has been so notified by the district engineer of the Bureau of Public Roads, no project or part thereof shall be let to contract.

Sec. 4. The estimate for each project shall show the estimated quantity and the estimated cost of each item of construction in detail and, separately, the 10 per cent fund, and shall not include any expense for advertising.

Sec. 5. Unless State standard contract and bond forms have been approved there shall be submitted with each set of plans for the approval of the Secretary copies of the form of contract together with all documents referred to therein or made a part thereof, and of the contractor's bond which it is proposed to use on the project. No alteration of either of these forms, when once approved, shall be made until it is approved by the Secretary.

Sec. 6. Where any part of the cost of a project is to be furnished by a county or other local subdivision of a State, the plans, specifications and estimates shall be accompanied by certified copy of each resolution or order, if any, of the appropriate local officials, or such other showing as the Secretary may require respecting the funds which are made available, or respecting the supervision of the construction of the road and of the control of the money provided for paying such cost.

Sec. 7. Right of way ample for any project shall be provided and no incidental damages to adjoining property, due to construction work paid for by or on behalf of the State, shall be included in the estimate or be paid in any part, directly or indirectly, by the Federal Government.

Sec. 8. Grade crossings occurring on the Federal aid highway system shall be classified for priority of improvement by agreement between the State highway departments and the Bureau of Public Roads.

Sec. 9. No part of the expense of making surveys, plans, specifications or estimates, by or on behalf of the State prior to the beginning of construction work, shall be included in the estimate or paid by the Federal Government.

Sec. 10. Subsequent to the execution of the agreement no change which will increase the cost of a project to the Federal Government shall be made, except upon approval by the secretary of Agriculture, and no changes shall be made in the termini or type, except upon approval of the

Chief of the Bureau of Public Roads, but minor alterations which do not affect the general nature of the improvement or increase the total cost to the Federal Government may be authorized by the Chief of the Bureau of Public Roads or his authorized representative.

#### REGULATION 7.—PROJECT AGREEMENTS

Section 1. A project agreement between the State highway department and the Secretary shall be executed in triplicate on a form furnished by the Secretary. No payment shall be made by the United States unless or until such agreement has been executed, nor on account of work done prior to recommendation by the district engineer of the Bureau of Public Roads that the plans, specifications and estimates be approved.

#### REGULATION 8.—CONTRACTS

Section 1. No part of the Federal money set aside on account of any project shall be paid until it has been shown to the satisfaction of the Secretary that adequate methods, either advertising other devices appropriate for the purpose, were employed, prior to the beginning of construction, to insure economy and efficiency in the expenditure of such money.

Sec. 2. Upon Publication of advertisements copies thereof shall be furnished to the Bureau of Public Roads.

Sec. 3. Bids shall conform to the standard proposal form, and the items shall be the same as those contained in the estimate provided for in Regulation 6, Section 4.

Sec. 4. Copy of the tabulated bid prices, showing the unit prices and the totals for each bid for every project, shall be furnished promptly to the Bureau of Public Roads.

Sec. 5. In advance of the acceptance of any bid sufficient notice of the time and place the contract is to be awarded shall be given to the Bureau of Public Roads to enable it, if it so desires, to have a representative present. When a bid has been accepted prompt notice thereof shall be given to the Bureau of Public Roads.

Sec. 6. If the contract be awarded to any other than the lowest responsible bidder the Federal Government shall not pay more than its pro rata share of the lowest responsible bid, unless it be satisfactorily shown that it was advantageous to the work to accept the higher bid.

Sec. 7. The specifications and plans shall be made a part of the contract.

Sec. 8. A copy of each contract, as executed, shall be promptly certified by the State highway department and furnished to the Secretary and no alterations in the contract shall be subsequently made without the approval of the Secretary.

#### REGULATION 9.—CONSTRUCTION

Section 1. Suitable samples of materials to be used in construction work shall be submitted, by or on behalf of the State highway department, to the Bureau of Public Roads whenever requested.

Sec. 2. Unless otherwise stipulated in writing by the Secretary or his authorized representative, materials for the construction of any project shall be tested, prior to use, for conformity with specifications, according to methods prescribed or approved by the Bureau of Public Roads.

Sec. 3. No part of the money apportioned under the act shall be used, directly or indirectly, to pay or to reimburse a State, county, or local subdivision for the payment of any premium or royalty on any patented or proprietary material, specification, process, or type of construction unless purchased or obtained on open actual competitive bidding at the same or less cost than unpatented articles or methods, if any, equally suitable for the same purpose.

Sec. 4. The supervision of each project by the State highway department shall include adequate and continuous engineering inspection throughout the course of construction.

Sec. 5. Written notice of commencement and completion of work on any project shall be given promptly by the State highway department to the Bureau of Public Roads.

Sec. 6. Reports of the progress of construction, showing force employed and work done, shall be furnished as requested by the Secretary or his authorized representatives.

#### REGULATION 10.—RECORDS AND COST KEEPING

Section 1. Such records of the cost of construction, of inspection, of tests, and of maintenance, done by or on behalf of the State, shall be kept, by or under the direction of the State highway department, as will enable the State to report, upon the request of the Secretary or his authorized representatives, the amount and nature of the expenditures for these purposes.

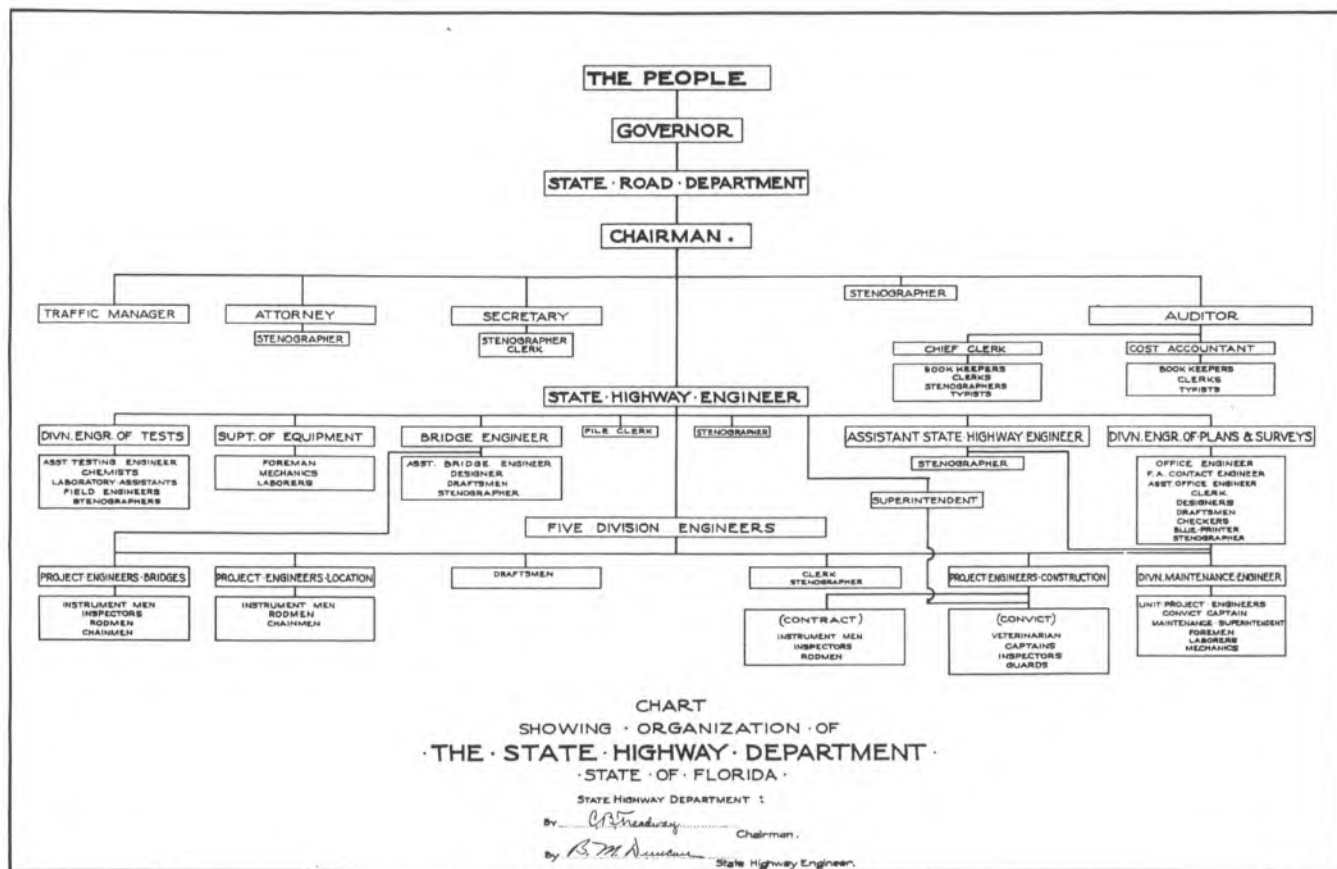
Sec. 2. The accounts and records, together with all supporting documents, shall be open at all times to the inspection of the Secretary or his authorized representatives, and copies thereof shall be furnished when requested.

#### REGULATION 11.—PAYMENTS

Section 1. Vouchers, in the form provided by the Secretary and certified as therein prescribed, showing amounts expended on any project and the amount claimed to be due from the Federal Government on account thereof, shall be submitted by the State highway department to the Bureau of Public Roads, either after completion of construction of the project or, if the Secretary has determined to make payments as the construction progresses, at intervals of not less than one month.

#### REGULATION 12.—SUBMISSION OF DOCUMENTS

Section 1. Papers and documents required by the act or these regulations to be submitted to the Secretary may be delivered to the Chief of the Bureau of Public Roads or his authorized representatives and, from the date of such delivery, shall be deemed submitted.



## STATE HIGHWAY ENGINEER'S REPORT

Hon. C. B. Treadway, Chairman,  
State Road Department,  
Tallahassee, Florida.

Tallahassee, Florida

Dear Sir:

I have the honor to submit to you the report of the State Highway Engineer for the period from January 1, 1931 to December 31, 1932.

Respectfully submitted,

B. M. DUNCAN,  
State Highway Engineer.

### ORGANIZATION OF THE ENGINEERING WORK

The Engineering work of the Department falls naturally into three major divisions all of which is carried on under the direction of the State Highway Engineer.

1. Roadway Construction.
2. Bridge Construction.
3. Roadway & Bridge Maintenance.

#### (1) ROADWAY CONSTRUCTION.

Under this heading is included:

- (a) Preliminary and location surveys, drainage surveys, right of way surveys, soil surveys.
- (b) Design and preparation plans for roadway and minor drainage structures and estimate of quantities and cost.
- (c) Construction of roadway and minor drainage structures.
- (d) Preparation of final plans and estimate of final quantities and cost.
- (e) Material tests and thickness determinations of bases and pavements.

The work of roadway construction is carried on under the direct supervision of the State Highway Engineer acting through the five Division Engineers, the Engineer of Tests and the Engineer of Plans and Surveys.

Preliminary and location surveys are made under the direction of the Division Engineers in their respective divisions.

Right of way surveys are made by the locating parties.

Soil surveys are made under the direction of the Engineer of Tests, with the assistance of the Division Engineers' forces in their respective divisions.

Drainage surveys are made by an engineer specially assigned to this work with the assistance of the Division Engineers' forces.

Penciled plans are prepared in the Division Engineer's Office. These plans are then sent to the Tallahassee office where the design is completed, the plans inked and detailed estimates of quantities and cost made under the direction of the Engineer of Plans and Surveys. Advertisement for bids, receipt of bids and award of contract are made in the Tallahassee Office. Actual

construction either by contract or by State forces is carried on under the direct supervision of the Division Engineers and their assistants.

Measurement of the completed work, preparation of the final plans showing the work as actually completed and detailed computation of quantities for the final estimate is done under the supervision of the Division Engineer. The final quantities are checked in detail in the Tallahassee Office and the final estimate prepared.

During the progress of construction tests of materials entering into the work and of the completed work are made. A more detailed description of this work is given under the general heading "Division of Tests."

## (2) BRIDGE CONSTRUCTION.

Under this heading is included:

- (a) Surveys.
- (b) Design and preparation of plans.
- (c) Construction of bridges.
- (d) Final plans.
- (e) Material tests.

The work of bridge construction is carried on under the general direction of the State Highway Engineer and the direct supervision of the Bridge Engineer with the cooperation and assistance of the Division Engineers in their respective divisions.

Preliminary surveys are made under the direction of the Bridge Engineer with the assistance of the Division Engineers. Selection of bridge location is made after careful study, on the ground, of the data disclosed by the preliminary survey.

A large proportion of our bridges are over navigable streams or bodies of water, in which case it is necessary to obtain a permit from the U. S. War Department and approval of the plans by their engineer before any construction is started.

After the selection of the site a location survey is made with the necessary triangulations to determine the length of the structure. Soundings are taken to determine the depth of water and borings of the stream bottom to determine the nature of the foundation.

The design is made and plans prepared in the Bridge Engineer's office in Tallahassee.

Construction is almost invariably by contract. The work is carried on under the direct supervision of the Bridge Engineer with the assistance of the Division Engineers and through Project Engineers and assistants located at the site of the work.

Final plans are prepared and material tests made as in the case of Roadway Construction.

## (3) MAINTENANCE.

Roadway and bridge maintenance is carried on under the general supervision of the Assistant State Highway Engineer through Division Maintenance Engineers, Superintendents and foremen and with the assistance and cooperation of the Division Engineers.

Bridge maintenance is carried on by the regular maintenance organization with the advice and cooperation of the Bridge Engineer.

A more detailed account of the maintenance work is given under the general heading "Maintenance", and in the several tables of statistics.

## SURVEYS AND PLANS

The main layout of the State System of Roads was projected by the members of the first

Board, and when the Legislature at the request of the Department designated a Preferential System of Roads, all of the roads so projected were designated as First Preferential. At each succeeding Legislature other roads have been added until the Designated State Roads now total 10,902 miles. In fact roads have been designated by the Legislature much faster than funds have been provided to build them. The Legislature gives the central points and the intermediate location is made by the Engineer, with the idea in mind that the only permanent part of a highway is the location. With this idea a thorough study is made to determine the best practical location from the standpoint of distance, drainage, economy of construction and territory served.

A detailed survey is made to establish the alignment, grades, drainage, and all incidental appurtenances.

Plans are prepared and all necessary drainage structures are designed and approximate quantities of all items entering into the construction are determined. It will be noted from tables herewith that in 1931 plans were prepared for 335.81 miles of roads and in 1932 plans were prepared for 326.21 miles of roads.

## STATE ROAD DEPARTMENT OF FLORIDA

## Plans Prepared for Roads—1931

Project	Road	County	Length
3-A	218	Okaloosa .....	7.36
53-D	2	Lake .....	4.83
60-C	4	Volusia .....	8.70
69	4	St. Johns .....	0.52
72-B	28	Flagler .....	4.91
76-C	5	Hillsborough .....	2.35
77	1	Jackson .....	9.66
78	4	Broward .....	6.03
79	4	Duval .....	13.27
80	17	Hillsborough .....	3.59
81	2	Alachua .....	3.30
83	5	Sarasota .....	9.20
84-A	74	Marion .....	12.19
84-C	74	Marion .....	5.75
84-D	74	Citrus .....	6.60
699	19	Jefferson .....	7.48
702	10	Franklin .....	5.20
757	2	Polk .....	9.87
758	2	Polk .....	7.17
779	19	Liberty .....	4.60
801	49	Union .....	2.92
801	48	Bradford-Union .....	11.68
805	25	Hendry .....	9.51
852	84	Calhoun .....	11.77
859	35	Taylor .....	12.14
868-A	5	Levy .....	7.33
868-C	5	Levy .....	12.74
871	82	Columbia .....	14.83
872	82	Columbia .....	12.62
874	49	Union .....	5.85
902	70	Sumter .....	12.33
909-C	4-A	Dade .....	4.38
918		Gadsden .....	1.49
947	68	Clay .....	6.85
948	22	Orange .....	11.90
950	164	Collier .....	2.92
958	152	Walton .....	9.78
959	152	Walton .....	9.45
960	67	Hendry .....	11.73
977-A	32	Hardee .....	6.83
1008	69	Suwannee .....	17.95
1013	25	Palm Beach .....	3.05
1029	218	Walton .....	3.17

Total Miles ..... 335.81

## STATE ROAD DEPARTMENT OF FLORIDA

## Plans Prepared for Roads—1932

Project	Road	County	Length
3-A-1	218	Okaloosa .....	1.10
5-A1B1C1	10	Santa Rosa .....	23.98
14-A-B	1	Santa Rosa .....	0.75
E-57	3	Nassau-Duval .....	3.27
60-A	4	Flagler-Volusia .....	11.84
E-69	4	St. Johns .....	0.52
E-72-A	28	Putnam-Flagler .....	11.54
E-72-C	28	Flagler .....	11.81
76-C	5	Hillsborough .....	2.36
82	13	Bradford .....	3.30
85-A	3	Seminole-Volusia .....	4.28
86	1	Santa Rosa .....	1.79
87-A	19	Jefferson .....	7.55
87-C	19	Jefferson .....	9.35
87-D	19	Jefferson .....	4.67
88	1	Walton .....	5.46
89	13	Alachua .....	8.84
90	5	Charlotte .....	1.60
91	4	Martin .....	0.54
92-A	19	Taylor .....	10.22
92-C	19	Taylor .....	5.65
92-D	19	Taylor .....	4.96
93-A	4-A	Dade .....	7.78
93-C	4-A	Dade .....	7.69
94	2	Polk-Osceola .....	11.75
E-95-C	19	Levy .....	8.76
96	17 Ext.	Hillsborough .....	6.19
97-A	115	Okaloosa-Escambia-Walton .....	14.96
97-C	115	Walton .....	21.78
97-D	115	Walton-Bay .....	9.40
562-C	8	Highlands .....	8.50
585	1	Santa Rosa .....	5.19
592-C	10	Franklin .....	6.41
623	35	Madison .....	0.66
796	13	Duval .....	10.10
860	5-A	Taylor .....	9.34
864	19	Volusia .....	6.18
960	67	Glades .....	11.76
974-C	29	Osceola .....	8.46
977-A	32	Hardee .....	6.84
1002	140	Broward .....	2.07
1017	103	Alachua .....	6.95
1019	29	Osceola .....	7.30
1024	47	Duval .....	6.88
1090	169	Duval .....	0.67
1094		Alachua .....	1.50
1095		Leon .....	0.91
1097	4	Duval .....	2.94
Total Miles .....			326.21

## FEDERAL AID

The subject of Federal Aid to the States in the construction of Roads and Bridges is a subject that the layman is often at a loss to understand. We will endeavor briefly to explain it as applying to the states in the construction of Roads and Bridges.

Congress enacted a law June 11, 1916 creating the Bureau of Public Roads as a branch of the Department of Agriculture. This Bureau is created to cooperate with the several states and territories in the construction of Roads and Bridges.

Congress appropriates each year money to be used through the Bureau in aiding in the cost of this work. Out of each appropriation about 2½ per cent is deducted to administer the Bureau and the balance is apportioned to the several states on the following basis: one-third in the ratio of the State's population to the population of the United States; one-third in the ratio of the State's area to the area of the United States and one-third in the ratio of the road mileage of the State to the road mileage of the United States. The road mileage used in this instance remains the same as that originally certified to the Bureau at the beginning of the Federal Co-operation.

At the beginning of the operations of the Bureau each State with the approval of the Bureau established a Federal System of Roads the mileage of which was 7% of the total mileage certified to by the State. Three-sevenths of this mileage being Primary or Interstate and four-sevenths Secondary or Intrastate Roads, preference was given in construction to the Primary System. There have been four additions to this system but only in recent years. The additions were allowed because of the fact the 7% System had reached that stage of completion, making it necessary to add more mileage if the appropriations were to be advantageously used. Not all of the 7% System has been participated in by the Bureau as our construction with State Funds was faster than the small amount of Federal money allotted to Florida, would provide. This is illustrated by the accompanying tables of Federal Appropriations and projects built.

In 1931 the regular appropriation to the state could not be matched with State Funds, due to diversions of one kind or another, of road money to finance other Department of Government. The unemployed situation became acute, so in order to stimulate employment, Congress enacted an emergency measure. Briefly, the Emergency Fund is an advance to the State to be used in matching regular Federal Aid Funds. The projects this money could be used on were similar to all Federal Projects. They had to be on the 7% System and carried on in the regular manner. Under the first of 1931 Emergency Program, no restrictions as to hours of work, rate of pay, etc., were made. The Federal Government is to be reimbursed for this advance by deducting from the Regular Federal Aid appropriation one-fifth of the advance each year over a period of five years from 1933 to 1938. The 1933 regular appropriation is \$1,654,660.00 to Florida, and from this amount \$217,287.60 was deducted, this amount being one-fifth of \$1,086,438.00 the Emergency Advance. This Emergency Advance enabled the Road Department to undertake and complete 78.17 miles of roads and 1,134.28 feet of bridges in 1931 in which the Government participated 100%; fifty per cent from Regular funds and fifty per cent from Emergency Funds, approximately. Due to this Advance, Florida has received from the Federal Government \$1,989,714.71 and approximately \$85,000.00 yet remains to be collected on final vouchers from the Bureau.

The same conditions obtained in 1932 relative to the State's inability to match Regular Federal Aid Funds. The unemployment situation was even more acute and Congress appropriated \$120,000,000.00 to be prorated to the several states. Florida's allotment in this instance being \$1,624,752.00. With the unobligated balance of Regular Funds, this advance was used, thereby providing from this source \$3,249,504.00 available for construction work up to June 30, 1933. As

of December 31, we have let contracts under this program totaling \$3,089,489.39. Plans are now ready so that the balance may be put under contract at any time.

Certain restrictions were placed by Congress in carrying out the 1932 program. The aim of the entire program being to afford the maximum use of labor, and costs were to be secondary. The law provides that no laborer shall work more than 30 hours per week, and further states that each state shall set a minimum wage scale for skilled and common labor, and preference shall be given to hand labor methods wherever practicable. The law also provides that all work shall be completed by July 1, 1933.

The same methods, rules and regulations, as pertains to Regular Federal Aid, applies in the case of emergency work. The Bureau pays its share monthly as the work progresses. Plans must be prepared and approved and contracts let as outlined in the Rules and Regulations of the Bureau, herein incorporated.

It might be added that under Regular Federal Aid the Bureau participates in the construction of bridges to the extent of fifty per cent and on roads to an extent of \$15,000.00 per mile. However, under the 1932 Emergency all limitations have been lifted. The Bureau participation covers the actual cost of construction of the work including the Engineering, but does not include the cost of Surveys and Plans or administration.

The State must adequately maintain the Federal Projects with State Funds, or future appropriations will be suspended.

Attention is invited to tables contained herein relative to Federal Work.

STATE ROAD DEPARTMENT OF FLORIDA  
United States Bureau of Public Roads  
Summary of Regular Federal Aid Appropriations \*

Year	Entire United States	Total for Florida
1917 .....	\$ 5,000,000.00	\$ 55,976.27
1918 .....	10,000,000.00	111,952.54
1919 .....	65,000,000.00	744,521.08
1920 .....	95,000,000.00	1,090,214.67
1921 .....	125,000,000.00	1,147,447.92
1922 .....	50,000,000.00	886,825.69
1923 .....	50,000,000.00	599,221.13
1924 .....	65,000,000.00	771,395.18
1925 .....	75,000,000.00	887,336.52
1926 .....	75,000,000.00	892,878.00
1927 .....	75,000,000.00	897,185.00
1928 .....	75,000,000.00	899,451.00
1929 .....	75,000,000.00	901,311.00
1930 .....	75,000,000.00	909,235.00
1931 .....	125,000,000.00	1,540,069.00
1932 .....	125,000,000.00	1,543,232.00
1933 .....	125,000,000.00	*1,654,660.00
Totals .....	\$1,290,000,000.00	\$15,532,912.00
* Deduction: 1-5 of \$1,086,438.00 Emergency Allotment.		217,287.60
Total .....		\$15,315,625.40

**SUMMARY OF EMERGENCY FEDERAL AID APPROPRIATIONS**

1931 .....	\$ 80,000,000.00	*1,086,438.00
1932 .....	120,000,000.00	#1,624,752.00
	200,000,000.00	\$ 2,711,190.00

\* - To be repaid by deducting from the yearly Regular Federal Aid Apportionment, beginning the year 1933, which yearly deduction shall be equal to 1-5 of the Emergency Appropriation.

# - To be repaid by deducting from the yearly Regular Federal Aid Apportionment, beginning the year 1938, which yearly deduction shall be equal to 1-10 of the Emergency Appropriation.

STATE ROAD DEPARTMENT OF FLORIDA  
Record of Federal Aid Projects to December 31, 1932

Proj. No.	Road No.	County	Length in Miles	Type	Total Estimated Amount	Amount Federal Aid Allowed	Amount Federal Aid Received	Final Payment Made
1	1	Okaloosa	10.45	Sand Clay	\$ 34,083.28	\$ 17,041.64	\$ 16,938.10	May 1919
2	2	Osceola	4.12	Brick	69,678.53	20,000.00	20,000.00	April 15, 1925
3	1	Gadsden-Jackson	0.19	Concrete Arch	417,031.12	208,515.56	208,515.56	Nov. 25, 1924
4	2	DeSoto	3.03	Concrete	66,005.98	30,000.00	30,000.00	March 14, 1925
5	18	DeSoto	2.50	Concrete	48,879.17	20,000.00	20,000.00	May 15, 1926
6	1	Jefferson-Madison	5.527	Rock Base Surf. Trd. & Conc. Bridge	357,145.38	112,103.86	110,812.06	July 13, 1931
7	1	Hamilton	13.047	Rock Base—Concrete Arch	467,299.91	227,826.56	217,421.13	Aug. 8, 1927
8	2	Alachua	11.73	Bituminous Macadam	217,155.38	108,577.69	108,577.69	Sept. 29, 1923
9	1	Holmes	5.11	Sand Clay	25,525.06	12,762.53	12,762.53	March 1, 1921
11	1	Baker-Nassau-Duval	15.40	Concrete	560,421.41	281,710.70	248,400.01	Feb. 18, 1927
13	2	Orange	8.59	Sheet Asphalt	305,686.15	152,843.07	133,359.88	Oct. 25, 1926
14-A-B	1	Santa Rosa	6.40	Brick-Concrete & Steel	284,174.26	142,087.13	139,691.18	Sept. 15, 1923
15	2	DeSoto	3.26	Concrete	54,570.67	20,000.00	20,000.00	May 28, 1926
16	18	DeSoto	0.67	Concrete	11,798.80	5,899.40	5,245.57	May 28, 1926
17	5	Manatee	7.87	Bituminous Macadam	264,953.11	132,476.55	103,867.12	July 29, 1926
18	3	Putnam	12.79	Bituminous Macadam	454,730.74	227,365.37	209,245.28	Feb. 18, 1927
19-A-B	2	Hamilton	8.195	Rock Base Surf. Trd. & Conc. Bridges	239,766.78	114,414.27	107,132.39	Aug. 29, 1927
20	1	Holmes-Washington	0.38	Concrete	370,976.46	185,488.23	154,128.95	Aug. 20, 1926
21-A-B	1	Baker	8.90	Concrete & Concrete Bridge	234,656.07	117,328.03	102,240.83	May 28, 1926
22	1	Baker	5.764	Concrete	284,984.50	142,492.25	126,671.93	Aug. 16, 1926
23	1	Duval	12.80	Concrete	467,017.29	233,508.64	220,570.86	Sept. 11, 1924
24	1	Columbia	8.98	Bituminous Macadam	348,171.92	174,085.96	143,595.12	June 5, 1924
26	2	Columbia	11.10	Concrete	370,697.14	178,358.52	167,785.81	July 30, 1928
27-A-B	2	Columbia	12.36	Concrete	541,991.98	252,245.22	252,245.22	Nov. 28, 1924
29-A-B	5	Hillsborough	0.06	Concrete	148,680.79	74,340.39	74,340.39	June 26, 1926
30	2	Columbia	0.061	Concrete-Steel	53,983.38	26,991.69	26,991.69	March 31, 1924
31	2	Hamilton	11.81	Rock Base Surface Treated	294,287.60	144,982.64	138,448.65	Aug. 9, 1927
32	4	Nassau	10.00	Bituminous Macadam	369,717.21	184,858.60	179,131.29	Oct. 13, 1926
33	2	Alachua	12.60	Bituminous Macadam	358,844.39	179,422.19	171,863.17	May 28, 1926
34	7	Escambia	10.00	Concrete	297,291.77	148,645.88	139,795.19	Feb. 28, 1925
35	1	Escambia	5.00	Concrete	152,411.86	76,205.93	72,890.22	Feb. 27, 1925
36-A	4	St. Lucie	7.76	Bituminous Macadam	276,924.40	138,462.20	138,462.20	March 15, 1927
36-B	4	St. Lucie	7.12	Concrete	288,228.60	142,420.00	138,738.49	Aug. 25, 1927
37-A-C	4	Alachua	3.96	Sheet Asphalt	180,779.29	90,300.93	87,880.36	Oct. 26, 1926
37-B	2	Alachua	0.189	Concrete	39,256.28	19,628.14	9,540.36	Dec. 26, 1928
37-D	2	Alachua	2.14	Rock Base Surface Treated	172,898.02	48,347.07	48,184.57	Dec. 20, 1927
37-E	2	Alachua	7.96	Sheet Asphalt	332,870.41	159,240.00	159,240.00	Oct. 21, 1926
38-A-B	1	Escambia	3.49	Steel & Timber Bridges, Appr. Emb.	1,061,100.73	530,550.36	491,681.26	Dec. 13, 1927
39-A-B	4	Brevard-St. Lucie	0.426	Concrete & Dredged Emb.	232,913.55	116,456.77	113,419.87	Dec. 13, 1927
40-A	4	Brevard	16.169	Rock Base Surface Treated	446,546.93	223,273.46	223,273.46	Jan. 21, 1928
40-B	4	Brevard	0.025	Concrete	58,631.83	29,315.91	29,207.14	May 11, 1932
40-D	4	Brevard	6.727	Rock Base Surface Treated	158,783.06	79,391.53	78,601.17	Feb. 13, 1928
40-E	4	Brevard	13.596	Rock Base Surface Treated	315,218.29	157,609.14	157,609.14	March 21, 1927
41-A	4	Dade	12.00	Sheet Asphalt	692,319.40	214,906.05	214,006.05	Oct. 25, 1928
41-B	4	Dade	0.043	Concrete-Steel	108,036.83	54,018.41	50,397.84	July 23, 1930
43	2	Marion	10.534	Sheet Asphalt	381,991.44	173,581.29	171,195.12	Jan. 21, 1928
44	2	Lake	10.529	Bituminous Concrete	395,611.38	165,565.84	165,557.71	Jan. 21, 1928
45	1	Suwannee-Hamilton	0.173	Concrete-Steel	124,902.27	62,451.13	60,706.17	Oct. 23, 1930
46	3	Nassau	11.526	Concrete	495,071.06	197,195.15	196,348.25	April 16, 1928
47	4	St. Johns	14.88	Concrete	575,344.40	241,071.37	241,068.81	July 2, 1928
48-A	4	St. Johns	15.885	Rock Base Surface Treated	474,454.83	234,675.00	225,937.75	Aug. 8, 1928

STATE ROAD DEPARTMENT OF FLORIDA  
Record of Federal Aid Projects to December 31, 1932—(Continued)

Proj. No.	Road No.	County	Length in Miles	Type	Total Estimated Amount	Amount Federal Aid Allowed	Amount Federal Aid Received	Final Payment Made
48-B	4	St. Johns	0.086	Concrete	\$ 82,700.91	\$ 41,350.45	\$ 40,221.04	July 7, 1928
49	4	Flagler	13.813	Rock Base Surf. Trd. & Conc. Bridges	435,829.97	217,914.96	216,883.12	Aug. 8, 1928
50-A	14	Putnam	6.556	Rock Base Surface Treated	249,606.55	117,371.26	115,922.74	Jan. 15, 1929
50-E	14	Putnam	9.778	Rock Base Surface Treated	310,949.01	155,474.50	155,474.50	Jan. 5, 1929
50-C	14	Putnam	10.030	Rock Base Surface Treated	268,014.78	134,007.39	133,495.12	Dec. 12, 1928
51	7	Escambia	6.287	Concrete	206,575.47	94,302.00	94,260.00	July 11, 1927
52	1	Escambia	10.085	Graded Earth & Concrete Surface	448,111.92	151,275.00	151,185.00	June 8, 1931
53-A	2	Lake	7.108	Bituminous Concrete	347,881.07	106,620.00	106,620.00	Aug. 11, 1930
53-B	2	Lake	0.127	Concrete Deck-Girder	112,903.37	56,451.68	54,671.60	Sept. 17, 1930
53-C	2	Lake	1.870	Bituminous Concrete	113,087.04	28,095.00	28,095.00	Feb. 11, 1931
53-D	2	Lake	4.842	Graded Earth & Bituminous Conc.	238,880.51	72,630.00	46,354.70	
54-A	1	Leon	6.236	Rock Base Surface Treated	131,688.98	60,844.49	60,844.49	July 2, 1928
55-A	14	Alachua	16.415	Rock Base Surf. Trd. & Conc. Bridges	402,804.22	201,402.10	199,032.78	Sept. 12, 1930
56	10	Leon	17.928	Concrete	415,722.75	207,861.37	192,142.16	Nov. 25, 1929
57	3	Nassau-Duval	3.469	Concrete Bridge & Hyd. Emb.	314,966.30	157,483.14	124,907.12	
E-57	3	Nassau-Duval	3.267	Reinforced Concrete Pavement	122,716.53	122,716.53	0.00	
58	1	Jefferson	6.309	Rock Base Surface Treated	132,835.49	66,417.74	61,375.50	June 18, 1928
60-A	4	Flagler-Volusia	11.758	Graded Earth	76,513.41	38,256.70	31,869.80	
60-B	4	Flagler-Volusia	0.108	Concrete Bridges	105,954.76	82,077.38	76,438.55	
60-C	4	Volusia	8.650	Concrete	331,850.25	312,910.89	312,568.44	Aug. 8, 1932
61-A	1	Gadsden	10.000	Concrete	230,381.36	115,190.68	104,056.54	May 4, 1929
61-C	1	Gadsden	9.770	Concrete	236,044.21	118,022.10	94,572.89	Dec. 6, 1929
62-A	24	Osceola	12.247	Rock Base Surface Treated	354,603.22	177,301.60	177,172.86	May 9, 1932
62-C	24	Osceola	12.091	Rock Base Surface Treated	352,586.30	176,293.14	176,293.14	May 9, 1932
62-D	24	Osceola	12.664	Rock Base Surface Treated	434,542.44	209,882.69	209,882.69	May 9, 1932
63-A	24	Broward	9.212	Concrete	264,747.95	132,373.97	130,987.03	Feb. 11, 1932
63-B	4	Palm Beach-Broward	0.100	Concrete-Girder Bridge	177,802.85	88,901.42	88,901.42	April 7, 1932
63-C	4	Broward	13.275	Concrete	470,941.54	199,125.00	199,125.00	May 16, 1932
64-A	17	Hillsborough	8.664	Concrete	224,878.51	112,439.25	106,763.73	July 6, 1931
64-C	17	Hillsborough	9.610	Concrete	239,707.82	119,853.91	112,669.64	Sept. 19, 1932
65	5	Hillsborough	0.080	Steel I-Beam Bridge	103,856.44	51,928.22	51,928.22	March 2, 1932
66	5	Sarasota	0.826	Concrete Bridge & Approaches	129,023.81	62,893.11	54,046.50	
67	50	Suwannee-Hamilton	0.257	Concrete Bridge & Approaches	51,993.04	48,477.34	48,466.95	March 5, 1932
68-A	4	Palm Beach-Broward	0.055	Concrete-Girder Bridge	156,135.89	78,067.94	78,067.94	Feb. 11, 1932
70	5	Charlotte	1.290	Concrete Bridge	990,151.19	495,075.59	416,407.93	
71	4	Brevard	0.214	Concrete Bridge & Approaches	74,474.19	37,237.09	35,460.30	July 25, 1932
72-A	28	Putnam-Flagler	11.166	Graded Earth	92,685.56	85,842.78	79,175.85	
E-72-A	28	Putnam-Flagler	11.542	Rock Base Surface Treated	301,077.39	301,077.39	0.00	
72-C	28	Flagler	11.794	Graded Earth	130,528.00	119,764.00	113,445.09	
72-D	28	Putnam-Flagler	0.059	Concrete Bridges	37,131.78	18,565.89	12,852.01	
73-A	17	Polk	3.666	Macasphalt	89,482.19	44,741.09	38,685.86	Aug. 13, 1932
73-B	17	Polk	0.057	Concrete Bridges	43,984.53	21,992.26	21,459.00	March 2, 1932
73-C	17	Polk	5.222	Concrete Pavement	165,480.70	152,970.92	150,482.45	Oct. 25, 1932
73-D	17	Polk	9.920	Concrete Pavement	287,862.62	134,394.04	130,950.53	Aug. 13, 1932
74-A	2	Orange	14.434	Bituminous Concrete	385,140.38	188,838.83	188,836.63	March 13, 1932
75	27	Collier	0.692	Concrete Bridges & Hyd. Emb.	130,068.81	65,034.40	57,823.18	
76-A	5	Hillsborough-Pasco	10.318	Concrete Pavement	375,007.40	335,534.16	318,405.81	
76-C	5	Hillsborough	2.355	Rock Base Surface Treated	84,313.65	35,325.00	5,516.43	
76-D	5	Hillsborough	0.276	Conc. Overhead & Conc. Bridge	51,686.15	25,843.07	10,073.10	
77	1	Washington-Jackson	9.662	Concrete Pavement	240,915.52	210,676.76	185,861.04	
78-A	4	Broward	6.028	Concrete Pavement	287,639.15	270,699.00	261,280.94	

STATE ROAD DEPARTMENT OF FLORIDA  
Record of Federal Aid Projects to December 31, 1932—(Continued)

Proj. No.	Road No.	County	Length in Miles	Type	Total Estimated Amount	Amount Federal Aid Allowed	Amount Federal Aid Received	Final Payment Made
78-B	4	Broward .....	0.019	Concrete Bridge .....	\$ 31,878.29	\$ 29,939.14	\$ 29,506.01	June 30, 1932
79-A	4	Duval .....	13.277	Graded Earth .....	76,300.85	38,150.42	26,725.30	.....
79-B	4	Duval .....	0.034	Concrete Bridges .....	19,362.69	9,681.34	4,460.89	.....
80	17	Hillsborough .....	2.673	Concrete Pavement .....	105,658.75	99,095.00	99,095.00	June 3, 1932
81	2	Alachua .....	3.295	Macasphalt & R. B. S. T. ....	113,558.22	97,307.11	97,307.00	Aug. 1, 1932
83	5	Sarasota .....	9.201	Rock Base Surface Treated .....	262,421.37	83,037.71	217,681.47	.....
E-84-A	74	Marion .....	12.196	Graded Earth .....	83,037.71	233,194.18	12,206.18	.....
E-84-C	74	Marion .....	5.757	Graded Earth .....	42,375.66	42,375.66	0.00	.....
E-84-D	74	Citrus .....	6.600	Graded Earth .....	57,072.13	57,072.13	0.00	.....
85-A	3	Seminole-Volusia .....	4.276	Hydraulic Embankment .....	290,356.74	88,607.98	3,278.69	.....
E-85-B	3	Seminole-Volusia .....	0.130	Concrete & Steel Bridges .....	137,747.67	137,747.67	0.00	.....
87-A	19	Jefferson .....	7.545	Rock Base Surface Treated .....	159,858.90	79,929.45	50,081.38	.....
E-87-C	19	Jefferson .....	9.350	Rock Base Surface Treated .....	273,598.10	273,598.10	81,143.54	.....
E-87-D	19	Madison .....	4.461	Rock Base Surface Treated .....	124,665.00	124,665.00	0.00	.....
E-89	13	Alachua .....	8.844	Concrete Pavement .....	295,700.28	295,700.28	3,617.13	.....
E-90	5	Charlotte .....	1.598	R. B. S. T. & Macasphalt .....	91,485.23	91,485.23	0.00	.....
E-91	4	Martin .....	0.771	Concrete Bridge & Approaches .....	423,296.21	330,240.23	0.00	.....
E-93-A	4-A	Dade .....	7.785	Concrete Pavement .....	380,952.25	380,952.25	0.00	.....
E-93-B	4-A	Dade .....	0.012	Concrete Bridge .....	10,593.49	10,593.49	0.00	.....
E-93-C	4-A	Dade .....	7.666	Concrete Pavement .....	338,410.48	338,410.48	0.00	.....
E-94	2	Polk-Osceola .....	11.073	Graded Earth .....	168,258.02	126,129.01	0.00	.....
E-95-C	81	Levy .....	8.746	Graded Earth .....	90,501.87	79,189.13	0.00	.....
E-97-B	115	Escambia-Okaloosa .....	0.184	Concrete, Steel & Timber Bridge .....	119,883.85	119,883.85	0.00	.....
421	3	Nasau .....	0.106	Concrete & Steel Bridge .....	258,417.08	129,208.54	92,543.04	March 3, 1929
TOTALS .....			812.058		\$30,984,359.81	\$16,987,020.85	\$13,263,381.55	

STATE ROAD DEPARTMENT OF FLORIDA  
 "Record of 1931 Emergency Federal Aid Projects"  
 December 31, 1932

(54)

Project No.	Road No.	County	Roadway Miles	Bridges Feet	Type	Total Cost to Date	Federal Aid Received			Cost To State
							Emerg-ency	Regular	Total	
60-B	4	Flagler-Volusia .....		570.81	Concrete Bridge .....	\$ 114,551.52	\$ 29,100.00	\$ 47,338.55	\$ 76,438.55	\$ 38,112.97
60-C	4	Volusia .....	8.650		Concrete Pavement .....	414,545.52	186,000.00	126,568.44	312,568.44	101,977.08
67	50	Suwannee-Hamilton .....	0.170	461.54	Conc. Bridge & Approach .....	59,296.68	23,900.00	24,566.95	48,466.95	10,829.73
72-A	28	Putnam-Flagler .....	11.166		Graded Earth .....	104,992.61	39,500.00	39,675.85	79,175.85	25,816.76
72-C	28	Flagler .....	11.794		Graded Earth .....	156,895.31	54,500.00	58,945.09	113,445.09	43,450.22
73-C	17	Polk .....	5.222		Concrete Pavement .....	255,403.75	79,235.84	71,246.61	150,482.45	104,921.30
76-A	5	Hillsborough .....	10.318		Concrete Pavement .....	523,510.13	180,764.16	137,641.65	318,405.81	205,104.32
77	1	Washington-Jackson .....	9.662		Concrete Pavement .....	401,637.51	90,219.00	95,642.04	185,861.04	215,776.47
78-A	4	Broward .....	6.028		Concrete Pavement .....	510,928.20	180,219.00	81,061.94	261,280.94	249,647.26
78-B	4	Broward .....		101.93	Concrete Bridge .....	39,850.21	14,000.00	15,506.01	29,506.01	10,344.20
80	17	Hillsborough .....	2.673		Concrete Pavement .....	115,313.90	59,000.00	40,095.00	99,095.00	16,218.90
81	2	Alachua .....	3.295		R.B.S.T. & Macasphalt .....	127,045.55	48,000.00	49,307.11	97,307.11	29,738.44
83	5	Sarasota .....	9.201		Rock Base Surf. Treat. ....	426,288.78	102,000.00	115,681.47	217,681.47	208,607.31
TOTALS			78.179	1,134.28		\$3,250,259.67	\$1,086,438.00	\$903,276.71	\$1,989,714.71	\$1,260,544.96

STATE ROAD DEPARTMENT OF FLORIDA  
 "Record of 1932-33 Emergency Federal Aid Projects"  
 December 31, 1932

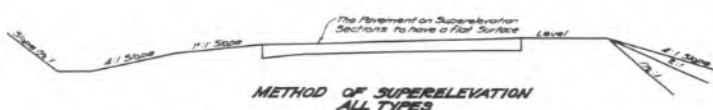
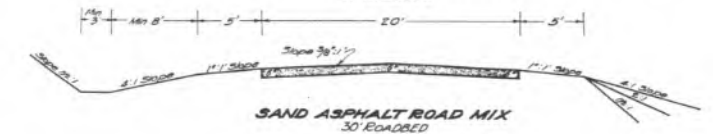
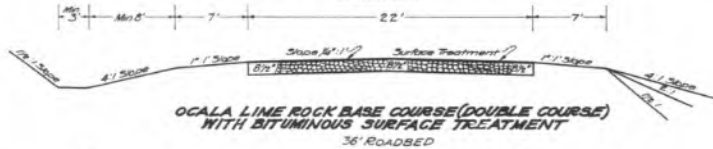
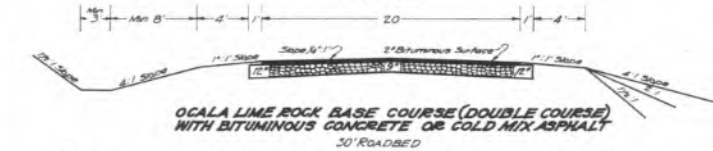
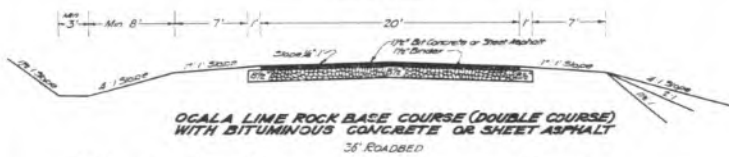
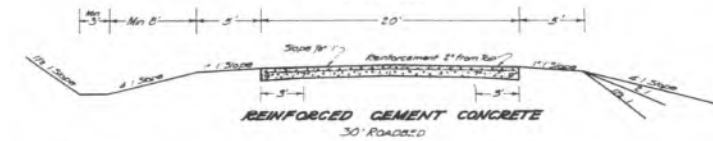
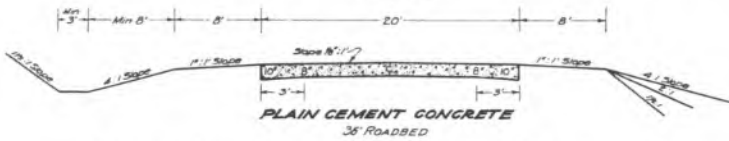
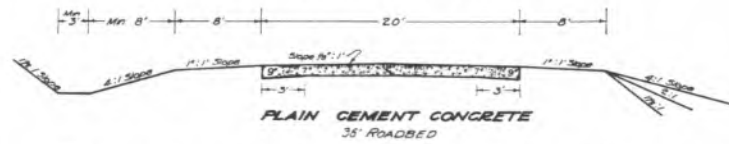
Project No.	Road No.	County	Length Roadway Miles	Length Bridge Feet	Type	Contract Cost	Distribution of Funds Reg. Fed. Aid	Distribution of Funds Emergency Fed. Aid	State Funds
E-57	3	Nassau-Duval	3.267		Reinforced Concrete Pavement	\$ 122,716.53	\$ 61,358.26	\$ 61,358.27	\$ 0.00
E-72-A	28	Putnam-Flagler	11.542		Rock Base Surface Treatment	361,170.82	150,538.69	150,538.70	93.43
E-84-A	74	Marion	12.196		Graded Earth	83,037.71	41,518.85	41,518.86	0.00
E-84-C	74	Marion	5.757		Graded Earth	42,375.66	21,187.83	21,187.83	0.00
E-84-D	74	Citrus	6.600		Graded Earth	60,870.23	30,435.11	30,435.12	0.00
E-85-B	3	Seminole-Volusia		689.54	Concrete & Steel Bridge	137,747.67	68,873.83	68,873.84	0.00
E-87-C	19	Jefferson	9.350		Rock Base Surface Treatment	273,598.10	136,799.05	136,799.05	0.00
E-87-D	19	Madison	4.671		Rock Base Surface Treatment	124,665.00	62,332.50	62,332.50	0.00
E-89	13	Alachua	8.844		Concrete Pavement	295,700.28	147,850.14	147,850.14	0.00
E-90	5	Charlotte	1.598		R.B.S.T. & Macasphalt	95,726.55	45,742.61	45,742.62	4,241.32
E-91	4	Martin	0.540	1,224.08	Concrete Bridge & Approach	423,296.21	203,215.38	126,988.85	93,091.98
E-93-A	4-A	Dade	7.785		Concrete Pavement	380,952.25	190,476.12	190,476.13	0.00
E-93-B	4-A	Dade		66.00	Concrete Bridge	10,593.49	5,296.74	5,296.75	0.00
E-93-C	4-A	Dade	7.666		Concrete Pavement	338,410.48	169,205.23	169,205.25	0.00
E-94	2	Polk-Osceola	11.073		Graded Earth	188,242.69	94,121.34	47,000.00	47,121.35
E-95-C	81	Levy	8.746		Graded Earth	90,501.87	45,250.93	33,938.20	11,312.74
E-97-B	115	Escambia-Okaloosa		973.74	Concrete & Steel Bridge	119,883.85	59,941.92	59,941.93	0.00
TOTALS			99.635	2,953.36		\$3,089,489.39	\$1,534,144.53	*\$1,399,484.04	\$155,860.82

\*NOTE—Total appropriation \$1,624,752.00, balance unobligated Dec. 31, 1932—\$225,267.96

STATE ROAD DEPARTMENT OF FLORIDA  
Record of Federal Forest Aid Projects to December 31, 1932

Project No.	Road No.	County	Length In Miles	Type	Total Amount	Forest Aid Granted	Forest Aid Received	Final Payment Made
2-B	54	Okaloosa .....	13.580	Graded Earth .....	\$ 87,840.23	\$ 26,387.37	\$26,387.37	May 5, 1930
3-A-1	218	Okaloosa .....	9.147	Graded Earth .....	73,530.26	60,780.99	53,914.14	
3-A2,B1,C1	218	Okaloosa-Walton .....	13.747	Sand Asphalt .....	26,717.96	20,403.00	1,748.45	
E-3-D	218	Walton .....	3.175	Sand Asphalt .....	101,536.16	34,645.10	0.00	
5-A1,B1,C1	10	Santa Rosa .....	23.926	Sand Asphalt .....				
TOTALS			63.575		\$289,624.61	\$142,216.46	\$82,049.96	

## TYPICAL SECTIONS



From 0° 00' Curve up to 0° 15' 00' Curve Super-elevation	0.02' per ft. of width
" 0° 15' 00' " " " " " " " " " "	0.03' " " " "
" 0° 30' 00' " " " " " " " " " "	0.04' " " " "
" 0° 45' 00' " " " " " " " " " "	0.05' " " " "
" 0° 50' 00' " " " " " " " " " "	0.06' " " " "
" 0° 55' 00' " " " " " " " " " "	0.07' " " " "
" 1° 00' 00' Curve and up Super-elevation	0.08' " " " "

## CONSTRUCTION

The function of the State Road Department is to build and maintain good roads. The better the roads are originally built, the more economically can they be maintained, and the investment safe guarded and perpetuated. Florida has been particularly fortunate in that the roads built by the Road Department have been good roads and it is of great satisfaction to the Department that the stranger in Florida marvels at the appearance, alignment and riding qualities for our roads.

The Department has adopted a Standard Set of Specifications which have been approved by the Bureau of Public Roads and all projects, whether State or Federal, are built in accordance with these specifications.

The typical sections of pavements shown in this report covers those that the Department has been building the past two years. In constructing roads it has been the policy of the Department, other things being equal, to favor the use of local materials. It will be noticed from the tables herein that Florida Lime Rock has been very extensively used. During the past two years after much experimenting a satisfactory surface treatment has been obtained using Florida Crushed Rock in Surface Treatment.

A new type of surface course has been developed during this time, which is termed Sand Asphalt, Mixed in Place Surface Course. This surface is built by applying liquid asphalt to the natural sand of the roadbed, and thoroughly mixing same. A most satisfactory surface course has been developed, from the standpoints of economy, durability and riding qualities. This type of surface is particularly adapted to the construction of isolated sections of road remote from transportation facilities where the cost of hauling materials for rock base or concrete would be excessive.

Stretches of this road have been built in West Florida and in South Central Florida. The average cost is considerably less than rock base surface treated and only slightly more than sand-clay surface. Attention is invited to the accompanying table of quantities, cost, etc. A more detailed description of this type of surface is given in State Road Department bulletin dated January 1, 1932.

The Department has had under way quite a number of major bridge projects and much work yet remains to be done in Florida in this line. Numerous bridges built many years ago by counties are fast reaching the point where they will have to be replaced. This condition results from the very heavy traffic now using the roads, which traffic is heavier than that for which the structure was designed originally. The Department has developed a new type of bridge for Florida. This consists of creosoted timber piling, steel I-beams and concrete decks. This type of bridge cost only slightly more than timber, and is much more substantial and durable.

During 1931 the Department paved 326.39 miles of roads and graded 168.93 miles. During 1932 the Department paved 225.48 miles of roads and graded 284.55 miles of roads.

Your attention is invited to the following tables: Road Projects Completed, Projects Graded Ready for Paving, and Projects Under Construction. There are similar tables covering the Bridges, Overpasses and Underpasses.

STATE ROAD DEPARTMENT OF FLORIDA  
Road Projects Completed December 31, 1932

Project No.	Road No.	County	Length	Type	Cost to Date	County Participation
1	1	Okaloosa	10.40	Sand Clay Surface Treated	\$ 74,125.30	\$ 9,989.40
2	2	Osceola	4.13	Brick	104,202.55	15,783.38
3-A-1	218	Okaloosa	10.05	Sand Clay Surface Treated	39,902.60	0.00
3-A-2						
B-1-C-1	218	Walton-Okaloosa	13.76	Sand Clay Surface Treated	33,831.76	0.00
4	2	DeSoto	3.03	Concrete	92,430.99	62,017.12
5	18	DeSoto	2.50	Concrete	75,801.84	45,542.38
6	1	Madison	5.60	Rock Base Surface Treated	199,083.48	2,500.00
7-A	2	Hamilton	13.00	Rock Base Surface Treated	376,008.91	78,926.15
8	2	Alachua	11.73	Bituminous Macadam	248,354.11	49,918.10
9	1	Holmes	5.11	Sand Clay Surface Treated	52,751.79	9,987.47
11	1	Baker-Nassau-Duval	15.39	Concrete	469,507.11	19,393.03
13	2	Orange	8.59	Sheet Asphalt	288,226.31	0.00
14-A&B	1	Santa Rosa	6.02	Brick	237,027.57	64,546.27
15	2	DeSoto	3.28	Concrete	66,221.08	46,000.00
16	18	DeSoto	.67	Concrete	24,265.94	18,500.00
17	5	Manatee	7.07	Bituminous Macadam	159,633.10	0.00
18	3	Putnam	12.80	Bituminous Macadam	445,698.37	143,543.42
19-A	2	Hamilton	8.20	Rock Base Surface Treated	250,508.44	78,926.15
21	1	Baker	5.68	Concrete	177,201.46	19,393.02
22	1	Baker	8.90	Concrete	250,336.35	16,333.03
23	1	Duval	12.80	Concrete	662,966.12	0.00
24	1	Columbia	9.89	Bituminous Macadam	311,978.40	87,000.00
26	2	Columbia	11.01	Concrete	369,764.46	20,000.00
27	2	Columbia	12.35	Concrete	532,567.85	126,452.78
31	2	Hamilton	11.86	Rock Base Surface Treated	334,068.71	6,658.89
32	4	Nassau	10.00	Rock Base Surface Treated	402,501.73	0.00
33	2	Alachua	12.60	Rock Base Surface Treated	374,060.47	177,467.14
34	7	Escambia	10.00	Concrete	293,016.63	139,901.08
35	1	Escambia	5.00	Concrete	153,600.58	84,950.54
36-A	4	Indian River	7.76	Bituminous Macadam	294,450.42	52,500.00
36-B	4	Indian River	7.12	Concrete	295,132.08	52,500.00
37-A-C	2	Alachua	3.96	Sheet Asphalt	171,261.76	52,268.99
37-D	2	Alachua	2.14	Rock Base Surface Treated	213,161.47	28,246.37
37-E	2	Alachua	7.96	Sheet Asphalt	332,739.77	110,983.40
40-A	4	Brevard	16.17	Rock Base Surface Treated	666,889.68	88,626.96
40-D	4	Brevard	6.72	Rock Base Surface Treated	203,321.46	36,831.93
40-E	4	Brevard	13.60	Rock Base Surface Treated	371,192.19	74,541.06
41	4	Dade	12.00	Sheet Asphalt	803,272.97	0.00
43	2	Marion	10.44	Sheet Asphalt	361,936.00	12,520.85
44	2	Lake	10.52	Asphaltic Concrete	392,239.51	267,230.33
46	3	Nassau	11.52	Concrete	523,869.21	0.00
47	4	St. Johns	14.88	Concrete	608,657.32	0.00
48	4	St. Johns	15.39	Rock Base Surface Treated	587,886.64	0.00
49	4	Flagler	13.81	Rock Base Surface Treated	444,484.56	0.00
50-A	14	Putnam	6.18	Rock Base Surface Treated	157,022.05	114,477.45
50-B	14	Putnam	9.77	Rock Base Surface Treated	295,097.86	180,978.24
50-C	14	Putnam	10.03	Rock Base Surface Treated	274,550.99	185,794.31
51	7	Escambia	6.23	Concrete	194,529.17	47,046.96
52	1	Escambia	10.00	Concrete	491,368.22	150,000.00
53-A	2	Lake	8.01	Asphaltic Concrete	315,483.60	177,325.00
53-C	2	Lake	1.85	Asphaltic Concrete	192,289.97	43,010.00
54	1	Leon	13.00	Concrete	508,425.41	140,000.00
54-A	1	Leon	6.23	Rock Base Surface Treated	204,441.86	0.00
55	14	Alachua	16.77	Rock Base Surface Treated	363,398.92	203,393.84
56	10	Leon	17.98	Concrete	539,994.18	249,485.04
58	1	Jefferson	12.53	Rock Base Surface Treated	215,645.82	100,000.00
59	1	Jefferson	9.01	Concrete	367,485.32	0.00
60-C	4	Volusia	9.64	Concrete	414,545.52	0.00
61-A	1	Gadsden	10.00	Concrete	297,594.39	72,500.00
61-C	1	Gadsden	9.77	Concrete	436,815.70	72,500.00
62-A	24	Osceola	12.52	Rock Base Surface Treated	440,444.80	91,666.00
62-C	24	Osceola	11.83	Rock Base Surface Treated	417,649.79	91,666.00
62-D	24	Osceola	12.66	Rock Base Surface Treated	469,377.65	91,668.00
63-A	4	Palm Beach	9.21	Concrete	331,601.24	0.00
63-C	4	Broward	13.24	Concrete	657,286.10	0.00
64-A	17	Hillsborough	9.60	Concrete	359,350.88	0.00
64-C	17	Hillsborough	9.61	Concrete	333,640.06	0.00
73-A	17	Polk	3.66	Macasphalt	155,965.35	0.00
73-C	17	Polk	5.22	Concrete	255,403.75	0.00
73-D	17	Polk	9.92	Concrete	456,797.40	0.00

STATE ROAD DEPARTMENT OF FLORIDA  
Road Projects Completed December 31, 1932—(Continued)

Project No.	Road No.	County	Length	Type	Cost to Date	County Participation
74-A	2	Orange	14.34	Asphaltic Concrete	587,171.51	0.00
76-A	5	Hillsborough	13.49	Concrete	523,510.13	0.00
77	1	Jackson-Washington	9.66	Concrete	401,637.51	0.00
78-A	4	Broward	6.28	Concrete	340,208.56	0.00
80	17	Hillsborough	2.67	Concrete	115,313.90	0.00
81	2	Alachua	3.30	Rock Base Surface Treated	127,045.55	0.00
83	5	Sarasota	9.20	Rock Base Surface Treated	426,288.78	100,000.00
500-A	20	Bay	10.00	Concrete	377,466.46	377,248.53
500-B	20	Bay	12.75	Rock Base Surface Treated	313,216.12	0.00
500-C	20	Bay	12.18	Rock Base Surface Treated	344,411.02	0.00
501	6	Calhoun	12.00	Sand Clay Surface Treated	118,257.62	0.00
501-C	6	Calhoun	15.00	Sand Clay Surface Treated	127,976.45	0.00
501-D	6	Calhoun-Gulf	14.20	Sand Clay Surface Treated	177,019.60	0.00
502	6	Gulf	6.94	Rock Base Surface Treated	184,019.49	0.00
503	2	Charlotte	20.18	Marl	102,495.07	0.00
504	1	Columbia	9.15	Rock Base Surface Treated	238,395.55	19,727.94
505	2	Columbia	11.08	Rock Base Surface Treated	195,810.57	33,379.71
507	4	Flagler-Volusia	9.15	Rock Base Surface Treated	239,337.40	34,474.89
510	5	Hillsborough	9.20	Asphaltic Block	248,198.08	0.00
512	5	Hillsborough	3.00	Asphaltic Block	23,416.43	0.00
514	1	Jackson	11.04	Sand Clay Surface Treated	111,417.39	0.00
515	20	Jackson	11.70	Rock Base Surface Treated	204,080.37	0.00
518	5-A	LaFayette	17.57	Rock Base Surface Treated	410,630.29	157,370.00
519	5	Manatee	7.94	Bituminous Macadam	153,090.47	0.00
520	2	Marion	15.53	Rock Base Surface Treated	64,401.75	18,625.35
521	4	Nassau	12.41	Rock Base Surface Treated	409,497.49	0.00
523	8	Okeechobee	18.46	Rock Base Surface Treated	247,756.57	0.00
524	15	Pasco	6.00	Rock Base Surface Treated	36,302.48	0.00
529	1	Suwannee	12.14	Concrete	407,808.02	0.00
532	3	Volusia	18.90	Rock Base Surface Treated	323,515.29	133,333.27
533	1	Suwannee	13.47	Rock Base Surface Treated	365,402.89	0.00
534	24	Brevard	14.50	Rock Base Surface Treated	497,171.08	120,000.00
535	5-A	LaFayette	13.20	Rock Base Surface Treated	356,097.82	42,630.00
537	23	Marion	6.93	Rock Base Surface Treated	13,124.29	0.00
538	2	Marion	10.92	Rock Base Surface Treated	58,443.66	13,096.55
539	5	Marion	11.30	Rock Base Surface Treated	95,621.66	0.00
542	2	Hardee	4.20	Concrete	28,600.72	0.00
543	3	Seminole	15.50	Bituminous Macadam	598,173.12	13,000.00
544	5	Pasco	20.08	Rock Base Surface Treated	499,919.75	0.00
545	5	Hernando	9.51	Sheet Asphalt	321,467.19	89,899.09
546	4	Brevard	5.00	Rock Base Surface Treated	127,127.80	25,496.09
548	5	Levy	18.00	Rock Base Surface Treated	42,204.69	0.00
553	2	Marion	9.15	Rock Base Surface Treated	68,753.34	10,973.74
554	4	Brevard	5.00	Rock Base Surface Treated	133,665.07	25,496.08
560	6	Gulf	20.00	Sand Clay Surface Treated	108,853.66	0.00
562-A	8	Highlands	5.37	Rock Base Surface Treated	204,052.09	0.00
562-B	8	Highlands	10.71	Sheet Asphalt	361,404.12	0.00
564-A	5	Charlotte	10.88	Rock Base Surface Treated	210,898.87	0.00
564-B	5	Charlotte	10.31	Rock Base Surface Treated	289,852.85	50,000.00
564-C	5	Charlotte	3.94	Rock Base Surface Treated	133,419.80	0.00
565	1	Madison	15.64	Rock Base Surface Treated	569,318.29	122,079.01
567	1	Walton	21.35	Sand Clay Surface Treated	144,384.65	0.00
570	5	Manatee	3.96	Bituminous Macadam	142,999.70	0.00
571	1	Madison	14.73	Rock Base Surface Treated	422,881.98	112,818.45
572	13	Bradford	7.50	Rock Base Surface Treated	49,438.98	0.00
574	9	Madison	11.66	Rock Base Surface Treated	273,424.13	75,269.65
575	3	Putnam	5.46	Rock Base Surface Treated	120,027.51	0.00
576	5	Sarasota	6.68	Rock Base Surface Treated	174,766.61	0.00
577	19	Taylor	9.73	Rock Base Surface Treated	94,487.92	0.00
579	1	Holmes	8.62	Sand Clay Surface Treated	102,637.59	5,012.00
580	19	Dixie	10.00	Rock Base Surface Treated	383,656.42	0.00
581	5	Hillsborough	12.10	Rock Base Surface Treated	369,444.35	0.00
584	24	Osceola	2.00	Brick	45,815.02	0.00
585	1	Santa Rosa	5.81	Sand Clay Surface Treated	110,559.31	0.00
586	1	Jackson	7.71	Sand Clay Surface Treated	94,749.66	0.00
587	5-A	Columbia	4.37	Rock Base Surface Treated	89,899.33	31,884.16
588	3	Putnam	2.34	Sheet Asphalt	68,303.27	0.00
589	5	Lee	8.27	Rock Base Surface Treated	317,949.49	0.00
590	1	Santa Rosa	9.00	Sand Clay Surface Treated	72,566.05	0.00
592	10	Franklin	7.89	Rock Base Surface Treated	221,230.27	146,768.65

STATE ROAD DEPARTMENT OF FLORIDA  
Road Projects Completed December 31, 1932—(Continued)

Project No.	Road No.	County	Length	Type	Cost to Date	County Participation
594	13	Bradford	9.10	Rock Base Surface Treated	130,771.17	130,771.17
595	3	Volusia	7.43	Rock Base Surface Treated	166,117.39	1,552.46
597	4	Volusia	16.24	Rock Base Surface Treated	511,374.49	313,977.50
599	2	DeSoto	7.40	Marl	96,751.05	19,362.64
604	4	Volusia	7.72	Rock Base Surface Treated	291,454.50	31,560.00
607	13	Bradford	5.10	Rock Base Surface Treated	70,829.00	0.00
607-B	13	Clay	7.00	Rock Base Surface Treated	149,020.68	0.00
608	4	Brevard	9.29	Rock Base Surface Treated	417,087.93	0.00
608-B	4	Brevard	1.07	Rock Base Surface Treated	59,582.00	0.00
609	2	Hardee	1.00	Bitulithic	51,914.85	0.00
613	5	Sarasota	4.62	Sheet Asphalt	282,281.45	0.00
614	5	Sarasota	17.34	Sheet Asphalt	801,915.13	0.00
617	5	Alachua	5.17	Rock Base Surface Treated	112,762.57	108,045.06
618	5	Alachua	10.89	Rock Base Surface Treated	230,579.93	58,045.05
619	5	Alachua	9.28	Rock Base Surface Treated	184,089.77	86,575.88
621	1	Okaloosa	17.35	Sand Clay Surface Treated	266,744.63	0.00
622	2	Lake	.21	Sheet Asphalt	2,119.67	2,119.67
624	50	Hamilton	6.47	Rock Base Surface Treated	141,000.60	0.00
625	5	Citrus	10.86	Rock Base Surface Treated	44,590.89	0.00
626	5	Citrus	6.61	Rock Base Surface Treated	18,407.96	0.00
627	3	Putnam	6.27	Rock Base Surface Treated	175,871.14	0.00
628	3	Volusia	12.00	Rock Base Surface Treated	229,629.60	10,000.00
629	8	Highlands	6.00	Rock Base Surface Treated	248,392.14	0.00
630	8	Highlands	11.00	Rock Base Surface Treated	300,303.93	0.00
631	1	Holmes-Washington	8.53	Sand Clay Surface Treated	187,103.86	0.00
632	2	Lee	18.00	Bituminous Macadam	33,420.88	0.00
634	1	Jackson	11.15	Sand Clay Surface Treated	158,917.56	0.00
635	5	Manatee	1.28	Asphaltic Concrete	37,873.20	0.00
636	8	St. Lucie	12.80	Rock Base Surface Treated	314,715.85	76,000.00
638	1	Santa Rosa	.30	Concrete	32,267.57	0.00
640-A	4	Martin	9.00	Sheet Asphalt	349,667.37	0.00
640-B	4	Martin-Palm Beach	11.80	Sheet Asphalt	496,167.23	0.00
641	4	Palm Beach	13.36	Rock Base Surface Treated	408,249.45	0.00
642	3	Putnam	10.32	Rock Base Surface Treated	295,366.35	0.00
644-A	10	Wakulla	8.49	Rock Base Surface Treated	238,204.95	0.00
644-C	10	Wakulla	5.05	Rock Base Surface Treated	111,201.44	0.00
645	10	Wakulla	17.00	Rock Base Surface Treated	391,511.59	19,700.00
646	10	Franklin	18.50	Sand Clay Surface Treated	158,111.86	0.00
647	8	Highlands	7.00	Rock Base Surface Treated	137,081.85	0.00
648	2	Hardee-DeSoto	14.10	Rock Base Surface Treated	387,349.28	0.00
649	33	Okaloosa	10.43	Sand Clay Surface Treated	3,047.34	0.00
651	10	Gulf	14.72	Rock Base Surface Treated	414,465.36	0.00
652	33	Okaloosa	9.04	Sand Clay Surface Treated	3,913.78	0.00
654	4	Broward	6.30	Bituminous Macadam	170,719.64	0.00
655	8	Highlands	15.00	Rock Base Surface Treated	381,382.19	0.00
657	6	Jackson	11.00	Sand Clay Surface Treated	38,622.41	0.00
658	1	Holmes	8.21	Sand Clay Surface Treated	95,516.51	0.00
659	3	Clay	13.27	Rock Base Surface Treated	451,041.07	55,660.00
660	3	Clay	10.57	Rock Base Surface Treated	296,070.17	44,340.00
661	2	Lake	3.52	Sheet Asphalt	188,597.40	88,050.00
663	5	Citrus	8.03	Rock Base Surface Treated	247,981.88	0.00
666	6	Jackson	6.52	Sand Clay Surface Treated	79,313.04	0.00
667	18	DeSoto	8.63	Rock Base Surface Treated	234,639.09	0.00
668	4	Brevard	12.00	Rock Base Surface Treated	433,818.48	10,778.77
669-B	27	Dade	10.00	Rock Base Surface Treated	499,610.17	125,000.00
669-C	27	Dade	12.00	Rock Base Surface Treated	992,936.57	0.00
669-D	27	Dade	12.30	Rock Base Surface Treated	1,262,955.91	0.00
669-E	27	Dade	4.55	Rock Base Surface Treated	354,568.23	0.00
669-V	27	Collier	31.63	Rock Base Surface Treated	1,077,298.20	0.00
669-W	27	Collier	16.00	Rock Base Surface Treated	318,235.95	0.00
669-X	27	Collier	9.04	Rock Base Surface Treated	310,481.44	0.00
669-Y	27	Collier	13.55	Rock Base Surface Treated	381,473.50	0.00
669-Z	27	Collier	6.48	Rock Base Surface Treated	195,501.09	0.00
670	6	Jackson	12.08	Sand Clay Surface Treated	132,059.24	0.00
671	20	Jackson	4.07	Sand Clay Surface Treated	45,002.94	0.00
672	1	Leon	9.92	Concrete	363,924.04	86,630.80
673	1	Gadsden	14.97	Concrete	559,420.90	108,210.00
674	1	Duval	3.50	Concrete	145,009.12	0.00
675	17	Polk	5.16	Sheet Asphalt	262,733.76	0.00
676-A	19	Levy	9.95	Rock Base Surface Treated	224,436.23	140,904.39
676-B	19	Levy	13.40	Rock Base Surface Treated	393,381.63	189,760.61

STATE ROAD DEPARTMENT OF FLORIDA  
Road Projects Completed December 31, 1932—(Continued)

Project No.	Road No.	County	Length	Type	Cost to Date	County Participation
676-C	19	Levy	11.72	Rock Base Surface Treated	295,169.63	165,969.80
677-A	13	Levy	6.96	Rock Base Surface Treated	132,660.62	57,830.36
677-B	13	Levy	11.58	Rock Base Surface Treated	368,929.94	96,217.76
677-D	13	Levy	8.91	Rock Base Surface Treated	252,485.50	74,032.84
678	10	Bay	8.72	Rock Base Surface Treated	236,414.64	0.00
679	5	Hernando	7.11	Rock Base Surface Treated	231,064.31	0.00
682	5	Citrus	6.45	Rock Base Surface Treated	188,291.32	0.00
683-A	4	Palm Beach	8.04	Concrete	385,803.26	27,000.00
685	10	Franklin	19.46	Rock Base Surface Treated	599,545.64	0.00
687-A	2	Lake	15.00	Sheet Asphalt	581,720.42	300,000.00
687-B	2	Lake	15.22	Rock Base Surface Treated	335,850.36	140,000.00
689	5-A	Alachua	1.89	Rock Base Surface Treated	38,212.09	0.00
691	4	Indian River	5.52	Concrete	360,496.59	0.00
692	4	St. Lucie	7.38	Concrete	400,572.35	0.00
693	4	St. Lucie	8.48	Concrete	410,537.12	200,000.00
694	4	Martin	8.93	Concrete	384,974.45	0.00
695	2	Lake	10.50	Rock Base Surface Treated	342,572.24	0.00
696	8	St. Lucie	14.23	Rock Base Surface Treated	27,904.16	0.00
698	19	Leon	12.45	Concrete	441,058.90	159,603.48
702	10	Franklin	5.00	Sand Asphalt	75,219.82	0.00
706-A	28	Putnam-Clay	11.96	Rock Base Surface Treated	267,548.85	50,000.00
706-B	28	Putnam	14.91	Rock Base Surface Treated	321,732.02	50,000.00
707	43	Leon-Jefferson	8.60	Sand Clay Surface Treated	7,867.02	0.00
708	11	Jefferson	7.98	Rock Base Surface Treated	194,380.82	52,226.83
710-D	17	Hillsborough	.92	Concrete	44,020.35	0.00
711	58	Gadsden	5.62	Sand Clay Surface Treated	4,673.06	0.00
713	28	Columbia	10.00	Rock Base Surface Treated	238,216.03	79,270.60
714	28	Union	10.20	Rock Base Surface Treated	223,847.55	125,482.00
715	28	Union	3.50	Rock Base Surface Treated	90,494.75	45,518.00
716	28	Bradford	11.12	Rock Base Surface Treated	231,819.83	62,500.00
717	28	Bradford	10.93	Rock Base Surface Treated	257,307.04	62,500.00
718	5-A	Columbia	8.22	Rock Base Surface Treated	185,717.02	59,326.55
719	5-A	Suwannee	8.57	Rock Base Surface Treated	143,093.35	142,500.00
720	11	Jefferson	9.64	Rock Base Surface Treated	271,331.55	65,064.18
721	3	Putnam	4.50	Rock Base Surface Treated	60,972.22	0.00
723	19	Leon	11.76	Sand Clay Surface Treated	190,002.38	91,031.05
724	19	Leon	9.67	Sand Clay Surface Treated	119,966.46	0.00
726	19	Dixie	12.59	Rock Base Surface Treated	23,286.14	38,299.00
727	47	St. Johns	6.00	Rock Base Surface Treated	191,465.72	0.00
728	10	Leon	11.67	Concrete	400,267.05	328,275.24
733	33	Walton	4.23	Sand Clay Surface Treated	64,926.27	47,373.22
734	40	Walton	7.89	Sand Clay Surface Treated	84,087.37	69,581.67
735	40	Walton	13.71	Sand Clay Surface Treated	163,929.09	130,342.33
740	10	Gulf	9.62	Rock Base Surface Treated	276,991.96	0.00
741	13	Alachua	1.00	Rock Base Surface Treated	16,267.42	0.00
742	13	Alachua	7.65	Rock Base Surface Treated	132,860.45	0.00
743	10	Bay	18.25	Rock Base Surface Treated	499,396.05	0.00
747	35	Jefferson	6.50	Sand Clay	50,794.59	42,525.00
748	35	Madison	6.21	Sand Clay	73,760.14	0.00
749	14	Gilchrist	7.81	Rock Base Surface Treated	138,234.21	90,000.00
750	14	Gilchrist	12.97	Rock Base Surface Treated	262,191.08	0.00
751	40	Walton	7.28	Sand Clay Surface Treated	65,852.31	53,739.49
752	40	Walton	8.72	Sand Clay Surface Treated	81,410.93	63,037.15
756	19	Marion	19.78	Rock Base Surface Treated	164,778.23	0.00
763	50	Suwannee	12.23	Rock Base Surface Treated	204,145.97	202,500.00
764	50	Suwannee	12.00	Rock Base Surface Treated	250,947.26	248,500.00
765	50	Suwannee	7.00	Rock Base Surface Treated	130,061.76	121,500.00
767	10	Bay	5.30	Sand Asphalt	110,062.01	0.00
770	22	Brevard	3.30	Rock Base Surface Treated	74,743.64	0.00
771	4	Duval	.57	Concrete	17,804.94	0.00
780	29	Okeechobee	11.00	Rock Base Surface Treated	71,807.54	0.00
781	29	Okeechobee	11.00	Rock Base Surface Treated	167,208.59	6,173.98
785	47	St. Johns	6.00	Sand Asphalt	74,294.28	0.00
783	29	Highlands-Glades	12.00	Rock Base Surface Treated	51,212.96	0.00
786	123	Jackson	6.76	Sand Clay Surface Treated	72,281.97	0.00
788	10	Walton	17.54	Sand Asphalt	336,185.43	164,274.07
802-A	10	Okaloosa	7.76	Sand Asphalt	165,678.13	52,641.03
802-C	10	Okaloosa	10.24	Sand Asphalt	132,913.93	81,279.65
803	10	Okaloosa	11.13	Sand Asphalt	181,556.28	82,242.33
804	67	Glades	18.55	Rock Base Surface Treated	411,630.82	2,041.83
806-A	25	Hendry	11.00	Rock Base Surface Treated	243,677.79	0.00

STATE ROAD DEPARTMENT OF FLORIDA  
Road Projects Completed December 31, 1932—(Continued)

Project No.	Road No.	County	Length	Type	Cost to Date	County Participation
807-A	25	Palm Beach .....	10.81	Rock Base Surface Treated ...	297,711.57	0.00
807-C	25	Palm Beach .....	6.14	Rock Base Surface Treated ...	189,963.48	0.00
815	54	Okaloosa .....	13.58	Sand Clay Surface Treated ...	106,367.83	62,114.23
819	54	Okaloosa .....	4.69	Sand Clay Surface Treated ...	24,066.44	20,979.67
827	....	Escambia .....	8.12	Sand Clay Surface Treated ...	99,840.36	38,340.00
857	53	Santa Rosa .....	19.10	Sand Asphalt .....	220,600.51	95,000.00
863	56	Columbia .....	2.00	Rock Base Surface Treated ...	37,110.53	0.00
866	17	Hillsborough .....	.50	Asphaltic Block .....	18,094.83	0.00
870	143	Palm Beach .....	10.88	Rock Base Surface Treated ...	175,674.80	11,000.00
876-A	78	Duval-St. Johns .....	8.66	Rock Base Surface Treated ...	114,779.23	0.00
876-C	78	St. Johns .....	19.10	Rock Base Surface Treated ...	482,390.94	0.00
884	3	Duval .....	3.00	Macasphalt .....	138,179.57	0.00
901	....	Leon .....	0.50	Sand Clay Surface Treated ...	9,442.03	0.00
909-C	4-A	Dade .....	4.38	Concrete .....	160,134.63	0.00
918	....	Gadsden .....	1.49	Rock Base Surface Treated ...	37,912.56	0.00
1035	158	Bay .....	4.00	Sand Asphalt .....	46,537.27	3,000.00
1090	169	Duval .....	.67	Rock Base Surface Treated ...	15,035.51	0.00
1095	....	Leon .....	.90	Concrete .....	34,874.87	0.00
TOTALS			2,861.50		\$74 545 638.94	\$11,737,950.63

STATE ROAD DEPARTMENT OF FLORIDA  
Road Projects that are Graded Ready for Paving December 31, 1932

Project No.	Road No.	County	Length	Type	Cost to Date	County Participation
72-C	28	Flagler .....	11.78	Graded .....	\$ 156,895.31	\$ 0.00
92-A	19	Taylor .....	10.21	Graded .....	133,462.57	0.00
92-C	19	Taylor .....	5.64	Graded .....	32,802.85	0.00
92-D	19	Taylor .....	4.62	Graded .....	29,237.38	0.00
97-A	115	Okaloosa, Walton & Escambia .....	14.96	Graded .....	133,762.54	0.00
97-C	115	Walton .....	21.78	Graded .....	197,409.58	175,562.89
690	12	Gadsden .....	12.22	Graded .....	5,466.41	0.00
709	39	Holmes .....	9.09	Graded .....	66,288.42	42,740.75
722	43	Jefferson .....	8.83	Graded .....	84,174.47	61,254.10
736	39	Holmes .....	8.97	Graded .....	48,248.50	42,740.75
779	19	Liberty .....	4.60	Graded .....	89,773.48	7,500.00
782	29	Okeechobee .....	6.62	Graded .....	12,200.17	0.00
793-D	15	Citrus .....	7.99	Graded .....	42,490.99	0.00
797	13	Nassau .....	9.73	Graded .....	81,109.44	0.00
798	13	Nassau .....	15.30	Graded .....	203,328.82	0.00
801	48	Bradford .....	11.78	Graded .....	52,021.47	0.00
820	96	Jefferson .....	9.45	Graded .....	75,330.59	43,518.75
821	96	Jefferson .....	5.18	Graded .....	34,504.38	53,700.00
823	41	Okaloosa .....	9.18	Graded .....	41,233.42	34,085.34
824	41	Okaloosa .....	9.81	Graded .....	67,050.15	59,710.97
825	88	Holmes .....	10.37	Graded .....	90,693.84	50,000.00
854	60	Walton .....	9.81	Graded .....	98,944.27	57,355.16
855	60	Walton .....	9.32	Graded .....	112,488.83	107,170.98
869	29	Glades .....	9.04	Graded .....	210,337.46	0.00
874	49	Union .....	5.85	Graded .....	31,281.77	0.00
875	23	Sumter, Pasco & Hernando .....	10.14	Graded .....	89,774.82	0.00
927		Jackson .....	1.86	Graded .....	31,058.50	0.00
928	10	Wakulla .....	4.50	Graded .....	29,787.46	0.00
974-C	29	Osceola .....	18.10	Graded .....	121,053.37	0.00
1013	25	Palm Beach .....	3.05	Graded .....	40,968.71	0.00
TOTALS .....			279.78		\$2,443,179.97	\$1,041,339.69

STATE ROAD DEPARTMENT OF FLORIDA  
Road Projects Under Construction December 31, 1932

Project No.	Road No.	County	Length Miles	Type	Estimated Cost	Cost To Date	County Participation
3-D	218	Walton	3.17	Sand Asphalt	\$ 36,444.43	\$ 9,649.02	\$ 0.00
5-A-B-C	10	Santa Rosa	20.00	Sand Asphalt	362,537.01	269,037.01	0.00
53-D	2	Lake	3.26	Asphalt Concrete	270,429.54	229,824.14	74,060.00
E-57	3	Nassau-Duval	3.27	Concrete	413,461.50	290,744.96	0.00
60-A	4	Flagler-Volusia	11.78	Grading	167,384.01	165,414.01	0.00
72-A	28	Putnam-Flagler	11.54	Rock Base Surface Treated	405,872.44	104,992.61	0.00
76-C	17	Hillsborough	2.35	Concrete	130,129.98	41,304.53	0.00
79-A	4	Duval	13.31	Grading	283,920.93	278,804.81	0.00
E-84-A	74	Marion	12.19	Grading	98,150.50	48,052.75	0.00
E-84-C	74	Marion	5.74	Grading	43,422.70	1,047.04	0.00
E-84-D	74	Citrus	6.60	Grading	61,998.90	1,128.66	0.00
85-A	3	Seminole-Volusia	3.79	Grading	322,924.12	77,518.21	0.00
87-A	19	Jefferson	7.54	Rock Base Surface Treated	216,940.75	199,986.39	30,000.00
E-87-C	19	Jefferson	9.35	Rock Base Surface Treated	445,828.59	281,463.81	70,000.00
E-87-D	19	Madison	4.67	Rock Base Surface Treated	231,614.81	106,949.81	0.00
E-89	13	Alachua	8.84	Concrete	306,381.99	14,660.82	0.00
E-90	5	Charlotte	1.59	Rock Base Surface Treated Macasphalt	121,091.02	25,364.47	0.00
E-93-A	4-A	Dade	7.78	Concrete	461,053.70	43,777.21	0.00
E-93-C	4-A	Dade	7.66	Concrete	359,515.78	18,719.39	0.00
E-94	2	Polk-Osceola	11.75	Grading	204,810.06	16,567.36	0.00
E-95-C	81	Levy	8.74	Grading	94,471.71	3,969.84	0.00
623	35	Madison	12.13	Rock Base Surface Treated	357,558.76	349,956.66	76,429.70
677-C	13	Levy	10.30	Rock Base Surface Treated	487,851.14	467,193.14	84,419.04
688	10	Bay	6.31	Sand Asphalt	193,007.70	191,137.70	0.00
695-C	2	Lake	2.33	Asphalt Concrete	68,445.72	67,478.54	0.00
737	39	Washington	10.50	Grading	116,391.55	51,646.01	0.00
745	19	Taylor	15.95	Rock Base Surface Treated	515,300.31	500,118.58	25,252.77
757	2	Polk	9.85	Macasphalt	348,426.53	346,446.03	0.00
758	2	Polk	7.17	Macasphalt	324,923.20	322,723.20	0.00
766	10	Bay	8.74	Sand Asphalt	155,227.48	94,727.48	0.00
787	10	Walton	16.80	Sand Asphalt	373,458.71	248,058.71	0.00
793-C	15	Citrus	6.45	Grading	57,545.15	46,499.40	0.00
796	13	Nassau-Duval	10.10	Grading	71,176.47	42,800.80	0.00
805	25	Hendry	9.42	Sand Asphalt	224,539.01	80,852.61	0.00
806-C	25	Hendry	11.00	Rock Base Surface Treated	244,068.51	243,983.31	0.00
806-D	25	Hendry	12.69	Rock Base Surface Treated	295,731.20	295,559.36	0.00
826	88	Holmes	10.00	Grading	136,244.76	56,781.11	30,000.00
830	19	Liberty	10.50	Grading	132,760.32	43,159.55	0.00
834	52	Jackson	17.50	Grading	152,918.72	76,765.06	0.00
864	19	Volusia	6.20	Grading	28,922.87	27,577.87	0.00
868-A	5	Levy	7.34	Rock Base Surface Treated	143,862.33	142,862.33	0.00
868-C	5	Levy	12.71	Rock Base Surface Treated	237,279.24	236,279.24	0.00
871	82	Columbia	14.82	Grading	137,713.13	41,361.93	55,949.47
873	49	Baker	10.78	Grading	99,207.24	68,765.84	0.00
878	77	Gilchrist	8.00	Sand Asphalt	130,046.85	127,406.85	40,309.64
902	70	Sumter	12.33	Grading	80,580.48	44,485.83	0.00
918 Ext.		Gadsden	1.00	Kyrock	71,658.13	32,819.39	0.00
947	80	Clay	6.80	Sand Asphalt	116,953.89	79,127.43	0.00
948	22	Orange	11.90	Rock Base Surface Treated	213,038.88	172,989.80	0.00
956	44	Volusia	5.04	Grading	87,128.16	75,500.72	0.00
957	44	Brevard	6.95	Grading	79,887.14	36,998.18	0.00
960	67	Glades	11.76	Grading	153,786.57	105,892.57	0.00
977-A	32	Hardee	6.84	Grading	98,176.76	30,147.76	0.00
994	109	Martin	10.50	Grading	42,290.08	36,377.58	0.00
1002	140	Broward	2.07	Rock Base Surface Treated	54,659.99	31,136.32	0.00
1007	23	Sumter	10.03	Grading	123,748.77	20,275.31	0.00
1017	103	Alachua	6.98	Sand Asphalt	135,695.57	50,058.37	0.00
1019	29	Osceola	7.30	Grading	68,935.54	6,909.24	0.00
1024	47	Duval	6.88	Macasphalt	342,180.24	285,906.59	0.00
1025	204	Duval	19.00	Grading	118,925.02	13,737.52	0.00
1030	194	Palm Beach	26.00	Grading	98,759.40	82,633.44	0.00
1044	2	Hardee	3.60	Grading	40,876.63	3,824.97	0.00
1093	212	Lake	12.33	Grading	103,469.38	4,829.38	0.00
1094		Alachua	1.50	Concrete	77,837.52	71,556.31	0.00
1096	19	Calhoun	9.00	Grading	74,881.67	31,300.45	0.00
1099	199	Palm Beach	24.50	Grading	45,233.55	18,008.55	0.00
TOTALS			614.82		\$12,299,694.24	\$7,683,633.87	\$406,420.62

## STATE ROAD DEPARTMENT OF FLORIDA

## Status of Construction by Counties in Miles

County	Paved	Paving under const.	Graded	Grading under const.
Alachua .....	94.19	10.24	.....	6.98
Baker .....	25.39	.....	.....	10.78
Bay .....	68.11	5.30	15.90	.....
Bradford .....	43.75	.....	11.78	.....
Brevard .....	87.73	.....	.....	6.95
Broward .....	19.54	2.07	.....	.....
Calhoun .....	41.20	.....	.....	9.00
Charlotte .....	45.31	1.59	.....	.....
Citrus .....	38.42	.....	8.00	13.05
Clay .....	30.84	6.85	.....	.....
Collier .....	76.70	.....	.....	.....
Columbia .....	78.93	.....	.....	14.82
Dade .....	55.23	21.63	.....	.....
DeSoto .....	34.01	.....	.....	.....
Dixie .....	22.59	.....	.....	.....
Duval .....	38.81	6.88	13.31	18.72
Escambia .....	39.35	.....	.....	.....
Flagler .....	22.96	.....	21.69	.....
Franklin .....	49.85	.....	2.50	.....
Gadsden .....	41.79	.....	9.04	.....
Gilchrist .....	30.98	.....	.....	.....
Glades .....	18.55	.....	.....	11.76
Gulf .....	51.28	.....	.....	.....
Hamilton .....	33.06	.....	.....	.....
Hardee .....	15.10	.....	.....	10.44
Hendry .....	34.69	9.20	.....	.....
Hernando .....	16.62	.....	10.14	.....
Highlands .....	55.08	8.60	.....	.....
Hillsborough .....	68.91	2.35	.....	.....
Holmes .....	21.94	.....	10.37	10.50
Indian River .....	36.10	.....	.....	.....
Jackson .....	90.36	.....	2.00	17.50
Jefferson .....	45.72	16.89	14.63	.....
Lafayette .....	30.77	.....	.....	.....
Lake .....	65.16	4.83	.....	.....
Lee .....	8.27	.....	.....	.....

STATE ROAD DEPARTMENT OF FLORIDA  
Status of Construction by Counties in Miles—(Continued)

County	Paved	Paving under const.	Graded	Grading under const.
Leon	87.93	.....	.....	.....
Levy	112.93	.....	.....	.....
Liberty	.....	.....	8.00	10.50
Madison	65.58	4.67	.....	.....
Manatee	15.81	.....	.....	.....
Marion	84.05	.....	.....	17.95
Martin	29.73	.....	.....	10.50
Monroe	.....	.....	.....	.....
Nassau	36.63	3.26	24.81	10.10
Okaloosa	69.98	19.67	12.73	.....
Okeechobee	40.46	.....	8.62	.....
Orange	22.93	11.90	.....	.....
Osceola	57.29	.....	.....	21.38
Palm Beach	60.39	.....	3.60	12.25
Pasco	20.08	.....	.....	.....
Pinellas	.....	.....	.....	.....
Polk	37.32	.....	.....	11.75
Putnam	94.54	11.54	6.18	.....
St. Johns	71.42	.....	.....	.....
St. Lucie	28.66	.....	.....	.....
Seminole	15.50	.....	.....	3.79
Santa Rosa	39.69	19.67	.....	8.02
Sarasota	37.84	.....	.....	.....
Sumter	.....	.....	.....	22.36
Suwannee	65.41	.....	.....	.....
Taylor	15.95	.....	25.19	.....
Union	14.41	.....	.....	.....
Volusia	71.91	.....	13.07	5.04
Wakulla	30.54	.....	5.50	.....
Walton	38.89	.....	43.31	3.17
Washington	8.53	.....	.....	10.50
Total	2,851.69	167.14	270.37	277.81

STATE ROAD DEPARTMENT OF FLORIDA  
Unit Prices of Items Let to Contract—1931

Project Number	Contractor	Clearing and Grubbing Acres	Regular Excavation Cu. Yds.	Broken Stone Base Course No. 2 Sq. Yds.	Single Bit. Treat. Sq. Yds.	Plain Conc. Pavt. Sq. Yds.	Concrete Class "A" Cu. Yds.	Culverts	Head Walls	Combin. Curb and Gutter Lin. Ft.	Woven Wire	Resilflex Plate	Man- holes Each	Reinf. Steel Lbs.	Pipe Culvert for Cross Roads Lin. Ft.		Pipe Culv. For Structs. Lin. Ft.		Structural Timber M.F.B.M.		Treated Trestle Piling Lin. Ft.	Extra Rock Tons	
															Corrugated Metal		Concrete		Cast Iron				
															18"	24"	18"	24"	24"	30"			
(89) 692	Fred D. Beasley			1.79	0.14																		
67	Austin Bros. Bridge Co	50.00	0.50	1.30	0.35						0.50			0.04									3.00
879-B	Soule Contracting Co.					4.50								0.043									
73-C	John J. Quinn, Inc.	75.00	0.35			1.82				0.70	0.45			0.05									
708-B	T.B. Gillespie			0.92																			2.00
72-C	Murphy Construction Co.	100.00	0.32					27.50						0.05			2.25		125.00	60.00	1.25		
72-A	Murphy Construction Co.	100.00	0.30					25.00						0.05			2.25						
76	Johnson, Drake and Piper	65.00	0.32	0.95	0.22	1.78		21.00	21.00	0.80	0.45		60.00	0.05	1.65	2.25	1.70	2.75	7.00	12.00		2.50	
623	Manly Construction Co.			0.86																		3.00	
727	John E. Ballenger Construction Co	50.00	0.35	1.06	0.14			25.00				0.45		0.04									
806-D	Thomas Construction Co.		0.40																95.00	95.00	0.90		
78	Morgan Hill Paving Co.	60.00	0.30		0.22	1.88	25.00							0.05								1.40	
60-C	Rutherford Construction Co.	125.00	0.38		0.25	1.84	27.50	30.00			0.50		75.00	0.05			1.90	3.10					
909-C	A. B. Currie Construction Co.	104.00	0.39			1.87	23.00				0.45			0.04			1.20					2.00	
952	F. S. Whitney		0.50	1.00	0.35																	2.50	
710-D	John J. Quinn, Inc.	75.00	0.40	0.30	2.10	22.00								0.05			1.60	2.50					
80	John J. Quinn, Inc.	75.00	0.40	0.30	2.10	22.00		22.00						0.05			1.60	2.50					
83	E. F. Powers Construction Co.	60.00	0.38	1.15	0.26			24.00			0.60			0.045								3.50	
77	Van Gordon Construction Co.	75.00	0.30		0.24	1.49	20.00	20.00			0.50		100.00	0.04			1.60						
81	L. M. Gray	75.00	0.31	0.90	0.21		25.00	25.00	1.00					0.05			2.00					2.00	
868-A	Duval Engineering & Cont'g. Co.			0.65																			
3-A	McVay Lindsay and Son	60.00	0.20					26.50			0.55					3.00	3.50						

## (69)

Project Number	Contractor	Clearing and Grubbing Acres	Regular Excavation Cu. Yds.	Ordnance Rock Base Double Course Sq. Yds.	Surface Treatment			Sheet Asphalt Sq. Yds.	Plain Cem. Conc. Pavt. Sq. Yds.	Mac-Asph. Course Sq. Yds.	Concrete Class "A" Cu. Yds.		Combin. Curb and Gutter Lin. Ft.	Guard Rail Lin. Ft.		Man-holes Each	Reinf. Steel Lbs.	Pipe Culvert For Cross Roads Lin. Ft.				Pipe Culvert For Struts Lin. Ft.		Structural Timber M.F.B.M.		
					Cover Material	Oil Asphalt Gals.	Tar Prime Material Gals.				Head Walls	Culverts		Woven Wire	Resiliflex Plate			Corrugated Metal		Concrete		Cast Iron		Treated	Untreated	Treated Trestle Piling
																		18"	24"	18"	24"	18"	24"			
53-D	Coastal Roads Co.	100.00	0.22	0.97			0.73			15.00		0.55	0.45		50.00			1.50		1.40		3.00				
695-C	Coastal Roads Co.		0.22	0.97			0.73										0.04		2.00							
960	Wilson and Walter	20.00	0.10							20.00							0.04									
1090	Duval Eng. & Contr. Co.	15.00	0.20	0.97	0.10	0.10	0.15			18.00							0.04	1.50		1.50		5.00				
3-A-1	Britton Lumber Co.	125.00	0.60							25.00			0.75				0.04			5.00						
85	Langston & Murphy Const. Cos.	60.00	0.40																							
87-A	Van Gordon Const. Co.	30.00	0.17	1.17	0.10	0.09	0.14			10.00							0.05			1.75		1.30				
1002	Everglades Construction Co.	86.70	0.30	0.0986	0.145	0.22														2.50						
502-C	Manly Construction Co.	70.00	0.34	1.31	0.12	0.09	0.15			25.00							0.05									
757	Rutherford Construction Co.		0.29	1.15	0.12	0.15	0.14	0.91									0.05									
758	John E. Ballenger Const. Co.		0.30	1.16	0.12	0.15	0.15	0.95									0.035			1.50		3.00				
76-C	W. L. Cobb Construction Co.	70.00	0.25	1.20	0.20	0.20	0.30	2.45	20.00	20.00	0.60	0.50				0.0325									0.50	
76-D	Littelle Construction Co.	35.00	0.22					2.15	16.50			0.50														
677-C	L. B. McLeod Construction Co.			1.11	0.14	0.10	0.15										0.0375						76.00			0.65
1013	Dudley-Murphy Const. Co.	25.00															0.04			1.75		2.90				
1094	J. B. McCrary Co.	50.00	0.25					1.775	15.00	20.00	0.62						0.04			2.00						
1095	J. B. McCrary Co.	40.00	0.25					1.70	17.50	30.00	0.60						0.04	2.00		2.00						
E-84-A	C. C. Moore Construction Co.	80.00	0.35						20.00	20.00		0.60					0.05			2.00		4.00				
E-87-C	Van Gordon Const. Co.	75.00	0.37	1.39	0.124	0.10	0.16		20.00	19.50	0.65	0.44					0.045	1.30		1.60						
E-89	H. E. Wolfe Construction Co.	120.00	0.30					2.20	30.00								0.035									
1016-869	Dudley-Murphy Const. Co.	25.00	0.15						60.00								0.05									
E-3-D	Penton Mathis Const. Co.	80.00	0.35						30.00		0.70						0.04			2.00						
R-91	Hardaway Contracting Co.	100.00	0.40					2.50	30.00		1.10						0.06			3.00		3.50				
R-90	W. L. Cobb Construction Co.	100.00	0.50	1.60	0.16	0.13	0.20	1.20	34.00	26.00		0.50				0.0325	1.50		3.00		3.75					
E-93-A	Wm. P. McDonald Const. Co.	60.00	0.45	0.45	0.15	0.125	0.175	2.48	35.00							0.045	2.25		2.50		3.75					
R-93-C	Van Gordon Const. Co.	75.00	0.50	1.25	0.15	0.12	0.16	2.17								1.25										
R-57	H. E. Wolfe Construction Co.		0.24					2.13																		
E-72-A	T. B. Gillespie	100.00	0.40	1.30	0.16	0.125	0.17		14.00			0.60				0.04			2.50							
R-84-C	Currie & Turner Const. Co., Inc	100.00	0.25						22.00							0.05			2.00							
R-84-D	Beckham Lawler Const. Co.	75.00	0.23						21.00							0.04			2.50							
R-64	S. J. Groves & Son Const. Co.	80.00	0.23						19.00								0.035	1.40	2.00							
R-65	S. J. Groves & Son Const. Co.	85.00	0.24						24.00							0.04	1.40									
E-87-D	McVay Lindsay and Son	90.00	0.38	1.40	0.15	0.14	0.17		25.00			0.65				3.95						5.12				

## STATE ROAD DEPARTMENT OF FLORIDA

Plans Prepared by Bridge Division  
1931-1932

Road No.	Project No.	County	No. of Bridges	Concrete	Steel & Concrete on Timber Piles	Steel Conc. Piers	Timber	Total Lengths
	918-B	Gadsden .....	1	....	....	....	121	121
1	14-A-B	Santa Rosa .....	1	168	....	....	....	168
	Re-op.							
1	23-B*	Duval .....	1	....	....	26	....	26
2	875-B	Sumter-Hernando .....	2	....	700	....	....	700
2	1033	Hardee .....	1	303	....	....	....	303
3	57	Nassau-Duval .....	4	468	....	599	....	1067
3	85-B	Seminole-Volusia .....	2	457	....	232	....	689
4	69	St. Johns .....	1	696	....	60	....	756
4	78-B	Broward .....	1	102	....	....	....	102
4	79-B	Duval .....	4	181	....	....	....	181
4	91	Martin .....	1	1144	....	80	....	1224
4-A	93-B	Dade .....	1	66	....	....	....	66
5	76-B	Hillsborough .....	1	572	....	....	....	572
5	76-D	Hillsborough .....	2	280	....	....	....	280
5-A	718-B	Alachua-Columbia .....	1	....	....	217	....	217
10	645-B	Wakulla .....	1	....	....	80	....	80
10	767-B	Bay .....	1	....	35	....	....	35
10	787-B	Washington-Walton ...	8	....	4481	931	2486	7898
13	89*	Alachua .....	3	108	....	....	....	108
15	793-D	Citrus .....	1	16	....	....	....	16
19	779-B	Leon-Liberty .....	6	....	789	140	....	929
21	1077*	Volusia .....	1	....	....	32	....	32
22	949-B	Orange-Brevard .....	1	....	200	....	....	200
23	875	Pasco .....	1	....	336	136	....	472
25	805	Hendry .....	5	....	227	....	....	227
25	806-D	Hendry .....	3	....	....	....	150	150
25	1013	Palm Beach .....	3	....	250	....	....	250
26	960-B	Glades .....	12	....	605	....	....	605
28	72-B	Flagler .....	1	414	....	....	....	414
28	72-D	Putman-Flagler .....	7	313	....	....	....	313
29	1016-869	Glades-Okeechobee ...	4	....	815	110	423	1348
32	977-B-1	Hardee .....	1	217	....	....	....	217
32	977-B-2	Hardee .....	1	101	....	....	....	101
54	819-B	Okaloosa .....	1	....	78	....	3009	3087
70	902-B	Sumter .....	3	....	251	....	....	251
74	84-B	Marion-Citrus .....	1	299	....	....	....	299
103	1017	Alachua .....	1	....	100	....	....	100
115	E-97-B	Escambia-Okaloosa ...	1	....	704	270	....	974
115	E-97-E	Escambia-Okaloosa ...	1	....	2249	962	....	3211
115	E-97-F	Bay .....	1	....	2016	....	....	2016

\* Denotes widening existing structure

STATE ROAD DEPARTMENT OF FLORIDA  
Bridge Projects Completed December 31, 1932

Project No.	Road No.	County	Length Feet	Type	Total Cost	County Participation
3	1	Gadsden-Jackson	2,627	Concrete	\$ 608,818.07	\$ 60,001.00
6-B	1	Jefferson-Madison	432	Concrete	61,897.74	0.00
7-B	2	Hamilton	476	Conc-Steel	116,805.72	0.00
14-B	1	Santa Rosa	370	Concrete	178,951.82	0.00
19-B	2	Hamilton	106	Concrete	24,695.90	0.00
20	1	Holmes-Washington	2,473	Concrete	381,230.87	50,000.00
21-B	1	Baker	340	Concrete	39,416.74	0.00
29-A	5	Hillsborough	316	Concrete	83,063.56	0.00
29-B	5	Hillsborough	215	Concrete	70,752.65	0.00
30	2	Columbia-Hamilton	325	Conc-Steel	63,084.77	13,000.00
36-A	4	Indian River	72	Concrete	14,558.70	0.00
37-D	2	Alachua	60	Concrete	32,381.50	0.00
38	1	Escambia-Santa Rosa	18,470	Conc-Steel	1,008,986.24	100,000.00
39	4	Brevard-Indian River	2,221	Concrete	259,007.75	0.00
40-B	4	Brevard	148	Concrete	91,786.24	0.00
41-B	4	Dade	223	Conc-Steel	105,317.26	0.00
45	1	Suwannee-Madison	912	Conc-Steel	138,716.82	0.00
48-B	4	St. Johns	456	Concrete	80,347.23	0.00
49-B	4	Flagler	207	Concrete	53,035.81	0.00
50-B	14	Putnam	143	Concrete	41,101.48	0.00
53-B	2	Lake	671	Conc-Steel	126,266.08	0.00
55-B	14	Alachua	263	Concrete	60,372.42	0.00
60-B	4	Flagler-Volusia	462	Concrete	114,551.52	0.00
63-B	4	Broward	394	Concrete	221,095.76	0.00
65	5	Hillsborough	423	Concrete	136,181.55	0.00
66	5	Sarasota	459	Concrete	130,429.20	0.00
67	50	Hamilton-Suwannee	462	Concrete	59,296.68	0.00
68-A-1	4	Palm Beach	199	Concrete	107,662.39	0.00
68-A-2	4	Broward	46	Concrete	47,185.13	0.00
68-A-3	4	Broward	46	Concrete	60,569.40	0.00
70	5	Charlotte	4,377	Concrete	971,235.53	0.00
71	4	Brevard	174	Concrete	99,257.76	0.00
72-D	28	Putnam-Flagler	313	Concrete	43,488.56	0.00
73-B	17	Polk	305	Concrete	44,600.33	0.00
75	27	Collier	561	Concrete	151,118.17	0.00
78-B	4	Broward	102	Concrete	39,850.21	0.00
79-B	4	Duval	181	Concrete	21,013.27	0.00
421	3	Nassau	560	Conc-Steel	252,318.83	0.00
501-B	6	Calhoun	210	Timber	8,490.37	0.00
516	1	Jackson	170	Conc-Steel	28,864.41	0.00
517	1	Jefferson	90	Conc-Steel	4,735.55	0.00
526	15	Pinellas	2,500	Concrete	251,954.50	0.00
527	17	Pinellas	2,833	Concrete	165,970.15	0.00
528		Seminole		Timber	5,124.00	0.00
534-B	24	Brevard	270	Timber	62,170.28	0.00
559	4	Brevard	260	Concrete	6,600.00	0.00

STATE ROAD DEPARTMENT OF FLORIDA  
Bridge Projects Completed December 31, 1932—(Continued)

Project No.	Road No.	County	Length Feet	Type	Total Cost	County Participation
562-A	8	Highlands	375	Timber	\$ 6,425.75	0.00
563	2	Osceola	315	Timber	10,050.41	0.00
564-C	5	Charlotte	143	Conc-Steel	40,516.42	0.00
566	2	Lake	266	Timber	6,493.83	0.00
568	1	Jackson	3,315	Timber	109,514.71	0.00
582	8	Highlands-Okeechobee	3,125	Timber-Steel	83,966.27	0.00
583	5	Hillsborough	170	Concrete	64,173.62	0.00
585-B	1	Santa Rosa	165	Concrete	20,790.25	0.00
587-B	5-A	Suwannee-Columbia	99	Concrete	34,071.04	0.00
589-B	5	Lee	274	Concrete	41,317.04	0.00
593	5	Manatee	3,600	Concrete	912,306.16	0.00
601		St. Johns	480	Timber	36,474.21	0.00
613	5	Sarasota	32	Concrete	12,839.65	0.00
614-B	5	Sarasota	595	Conc-Steel	306,336.31	0.00
620	4	St. Lucie	45	Timber	4,596.48	0.00
621-B	1	Okaloosa	1,568	Concrete	150,437.38	0.00
621-C	1	Okaloosa	1,363	Concrete	145,195.82	0.00
621-D	1	Okaloosa	29	Concrete	18,554.93	0.00
631-B	1	Holmes	1,480	Timber	46,067.99	0.00
633-B	1	Gadsden	120	Concrete	38,565.34	0.00
634-B	1	Jackson	456	Conc-Steel	69,438.60	0.00
641-B	4	Palm Beach	247	Conc-Steel	164,108.28	0.00
645-B	10	Wakulla-Franklin	850	Timber	32,776.17	0.00
648-B	2	Hardee	615	Conc., Steel & Timber	83,259.99	0.00
655-667	18	Highlands	815	Timber	40,927.84	0.00
656	4	Palm Beach	727	Conc-Steel	266,514.23	0.00
658-B	1	Holmes	525	Timber	18,911.62	0.00
660-B	3	Clay	225	Timber	12,699.11	0.00
661-B	2	Lake	43	Concrete	18,245.31	0.00
664	3	Clay	1,600	Conc-Steel	233,110.81	0.00
665	3	Clay	1,400	Conc-Steel	219,869.13	0.00
669-W	27	Collier	1,020	Timber	26,704.74	0.00
672-B	1	Leon	1,950	Conc-Steel	195,412.13	0.00
673-B	1	Gadsden	416	Conc-Steel	59,888.11	0.00
677-D	13	Levy	1,335	Timber	42,338.33	0.00
680	10	Bay	4,000	Conc-Steel	823,284.89	615,470.86
681	10	Bay	7,530	Conc-Steel	1,208,536.36	1,007,858.81
685-B	10	Franklin	890	Timber-Steel	104,365.86	0.00
693-B	4	St. Lucie	160	Concrete	79,423.79	0.00
694-B	4	St. Lucie	351	Concrete	100,170.14	0.00
695-B	2	Lake	509	Timber-Steel	53,168.82	0.00
697	1	Escambia	666	Timber	50,604.42	0.00
698-B	19	Leon	391	Concrete	39,002.78	0.00
699-B	19	Jefferson	299	Concrete	26,324.59	0.00

STATE ROAD DEPARTMENT OF FLORIDA  
Bridge Projects Completed December 31, 1932—(Continued)

Project No.	Road No.	County	Length Feet	Type	Total Cost	County Participation
700-B	19	Jefferson .....	494	Concrete .....	\$ 51,339.79	0.00
706	28	Putnam .....	675	Timber .....	34,945.82	0.00
710-B	17	Hillsborough .....	234	Concrete .....	51,863.82	0.00
715-B	28	Union-Bradford .....	799	Concrete .....	78,706.60	0.00
718-B	5-A	Alachua-Columbia .....	217	Steel & Conc. ....	27,399.16	0.00
721-B	3	Putnam .....	368	Conc-Steel .....	141,654.65	0.00
743	10	Bay .....	120	Timber .....	14,037.69	0.00
757-B	2	Polk .....	117	Concrete .....	15,266.57	0.00
758-B	2	Polk .....	305	Concrete .....	55,947.07	0.00
769	5	Lee .....	4,430	Concrete .....	622,771.19	0.00
779-B	19	Leon-Liberty .....	929	Steel, Conc. & Timber .....	45,632.83	0.00
783	29	Highlands-Glades .....	705	Timber .....	24,370.24	0.00
801-B	48	Union-Bradford .....	718	Conc-Steel .....	71,209.93	0.00
802-B	10	Okaloosa .....	1,986	Timber .....	68,344.45	0.00
806-D	25	Hendry .....	150	Timber .....	30,423.53	0.00
819-B	54	Okaloosa .....	3,087	Steel, Conc. & Timber .....	115,855.21	0.00
835	5	Marion-Citrus .....	264	Concrete .....	19,396.94	0.00
870	143	Palm Beach .....	135	Timber .....	8,562.14	0.00
875-B	2	Sumter-Hernando .....	700	Steel, Conc. & Timber .....	31,599.07	0.00
879-B	1	Escambia .....	64	Concrete .....	14,413.31	0.00
918-B		Gadsden .....	121	Timber .....	5,229.13	0.00
952	3	Putnam .....	360	Concrete .....	107,197.46	0.00
977-B	32	Hardee .....	318	Concrete .....	33,235.91	0.00
1013	25	Palm Beach .....	250	Steel, Conc. & Timber .....	9 961.65	0.00
Totals .....			109,048		14,411,502.24	1,846,329.67

STATE ROAD DEPARTMENT OF FLORIDA  
Bridge Projects Under Construction December 31, 1932

Project No.	Road No.	County	Length Feet	Type	Estimated Cost	Spent to date	County Participation
57		Nassau-Duval .....	1,067	Steel & Concrete .....	\$ 149,989.07	\$123,681.29	\$ 0.00
76-D	5	Hillsborough .....	1,460	Concrete .....	51,730.16	44,759.79	0.00
85-B	3	Seminole-Volusia .....	689	Steel & Concrete .....	137,747.67	13,964.87	0.00
91	4	Martin .....	1,224	Steel & Concrete .....	423,296.21	3,545.02	0.00
93-B	4-A	Dade .....	66	Concrete .....	10,593.49	342.75	0.00
E-97-B	115	Escambia-Okaloosa .....	974	Steel, Conc. & Timber .....	119,883.85	339.33	0.00
787-B	10	Walton-Washington .....	7,898	Steel, Conc. & Timber .....	454,993.16	6,079.77	50,000.00
805-B	25	Hendry .....	351	Steel, Conc. & Timber .....	22,065.75	19,641.68	0.00
949-B	22	Orange-Brevard .....	200	Steel, Conc. & Timber .....	9,713.00	7,272.52	0.00
1016	29	Okeechobee .....	1,348	Steel, Conc. & Timber .....	49,514.68	1,221.90	0.00
1033	2	Hardee .....	303	Concrete .....	22,325.71	735.05	0.00
Totals .....			15,580		\$1,451,852.75		\$50,000.00

STATE ROAD DEPARTMENT OF FLORIDA  
Over-Passes Completed December 31, 1932

Project No.	Road No.	County	Type	Length Feet	Cost	Railroad	County Participation
43	2	Marion	Concrete	120	\$16,601.80	Atlantic Coast Line	\$ 0.00
50-A	14	Putnam	Concrete	120	37,626.76	Atlantic Coast Line	0.00
54	1	Leon	Timber	110	3,482.52	Atlantic Coast Line	0.00
55	14	Alachua	Concrete	197	25,849.52	Seaboard Air Line	0.00
500-C	20	Bay	Timber	112	17,874.06	Atlanta & St. Andrews Bay	0.00
509	1	Gadsden	Timber	185	5,338.09	Louisville & Nashville	0.00
545	5	Hernando	Timber	183	8,280.56	Seaboard Air Line	0.00
565	1	Suwannee	Timber	108	3,312.17	Seaboard Air Line	0.00
567	1	Walton	Timber	77	1,370.44	Louisville & Nashville	0.00
567	1	Walton	Timber	77	1,264.21	Louisville & Nashville	0.00
573-D	2	Orange	Conc-Steel	172	31,336.09	Seaboard Air Line	0.00
579	1	Holmes	Timber	110	6 160 90	Atlantic Coast Line	0.00
621	1	Okaloosa	Timber	115	5,485.16	Louisville & Nashville	0.00
625	5	Citrus	Timber	94	3,227.04	Louisville & Nashville	0.00
625	5	Citrus	Concrete	130	24,875.99	Seaboard Air Line	0.00
633-B	1	Gadsden	Concrete	120	18,455.75	Atlantic Coast Line	0.00
640-B	4	Martin	Concrete	132	33,226.99	Seaboard Air Line	0.00
652	33	Okaloosa	Timber	113	4,635.01	Florida East Coast	0.00
657	6	Jackson	Timber	114	4,635.01	Louisville & Nashville	0.00
670	6	Jackson	Timber	111	3,674.45	Louisville & Nashville	0.00
673	1	Gadsden	Timber	111	5,087.31	Louisville & Nashville	0.00
682-B	5	Citrus	Conc-Steel	247	6,195.95	Louisville & Nashville	0.00
687-A	2	Lake	Concrete	120	52,614.51	Seaboard Air Line	0.00
691	4	Indian River	Concrete	285	17,126.51	Atlantic Coast Line	0.00
698	19	Leon	Timber	112	60,667.78	Florida East Coast	0.00
717	28	Bradford	Timber	113	2,890.76	Atlantic Coast Line	0.00
720	11	Jefferson	Timber	209	5,243.76	Southern	0.00
723	19	Leon	Timber	110	11,300.50	Seaboard Air Line	0.00
723	19	Leon	Timber	110	4,022.55	Atlantic Coast Line	0.00
728	10	Leon	Timber	112	3,930.15	Georgia, Florida & Alabama	0.00
758-B	2	Polk	Concrete	131	3,930.15	Seaboard Air Line	0.00
764-B	50	Suwannee	Concrete	111	4,353.32	Seaboard Air Line	0.00
820-B	96	Jefferson	Timber	114	22,359.29	Atlantic Coast Line	0.00
862	1	Duval	Concrete	1,420	18,651.89	Atlantic Coast Line	2,218.75
					5,638.77	Seaboard Air Line	255,305.52
					340,407.36	Terminal	
Totals				5,805	\$811,765.23		\$257,524.27

(75)

STATE ROAD DEPARTMENT OF FLORIDA  
Under-Passes Completed December 31, 1932

Project No.	Road No.	County	Type	Cost	Railroad
37-B	2	Alachua .....	Concrete	\$ 55,374.46	Seaboard Air Line
50-A	14	Putnam .....	Concrete	71,960.62	Atlantic Coast Line
58	1	Jefferson .....	Concrete	12,599.12	Atlantic Coast Line
553-B	2	Marion .....	Concrete	20,007.92	Seaboard Air Line
586	1	Jackson .....	Concrete	35,946.72	Louisville & Nashville
698-B	19	Leon .....	Concrete	13,876.18	Seaboard Air Line
728	10	Leon .....	Concrete	18,208.30	Seaboard Air Line
Total .....				\$227,973.32	

STATE ROAD DEPARTMENT OF FLORIDA  
Unit Prices of Items Let to Contract on Bridges—1931

Project Number	Contractor	Concrete—Cubic Yards						Conc. Hand Rail Lin. Ft.	Steel—Lbs.		Machinery and Castings Lbs.	Structural Timber		Piling—Lin. Ft.			Sand Cement Rip-Rap Cu. Yds.	Side-walk Lin. Ft.
		Substructure			Superstructure				Reinf.	Struct.		Treated M.F.B.M.	Untreated M.F.B.M.	Treated	Untreated	Pre-Cast Concrete		
		A	A-A	Seal A	A	A-A												
60-B	Fred D. Beasley, Inc.		25.50			26.25	3.00	0.0425							0.65	3.00		
67	Austin Bros. Bridge Co.	24.00		29.00	22.00		2.50	0.04	0.054	0.20								
879-B	Soule Contracting Co.	20.20			19.30		3.00	0.043				90.00	90.00	0.90		4.50		
806-D	Thomas Const. Co.																	1.75
78-B	Dudley-Murphy Const. Co.		23.25	41.50		27.50	2.70	0.045							0.60			
79-B	R. J. Arrington & Son	32.00			15.90		1.00	0.0328	0.045	0.12	70.00			0.75				
57	C. G. Kershaw Contr. Co.		15.00	28.00		17.50	2.00	0.031	0.037	0.10						3.40		
875-B	Ed Pettus				17.00		1.20	0.0325	0.033		69.00			0.70				

STATE ROAD DEPARTMENT OF FLORIDA  
Unit Prices of Items Let to Contract on Bridges—1932

Project Number	Contractor	Concrete—Cubic Yards					Steel—Lbs.			Structural Timber		Piling—Lin. Ft.			Sand Cement Rip-rap Cu. Yds.	Side-walk Lin. Ft.	
		Substructure			Superstructure		Conc. Hand Rail Lin. Ft.	Reinf.	Struct.	Machinery and Castings Lbs.	Treated M.F.B.M.	Untreated M.F.B.M.	Treated	Untreated			Pre-Cast Concrete
		A	A-A	Seal A	A	A-A											
72-D	Powell Bros., Inc.	18.50			20.50		2.25	0.035							2.50	12.00	
718-B	John Johnson	18.50		32.00	15.75		2.00	0.034	0.045	0.10				0.50			
819-B	Penton-Mathis							0.035	0.035		78.50	50.00	0.57				
805	J. D. F. Boggs				17.60		1.00	0.036	0.033		75.00		0.65				
977-B	Paul Gilmore	22.00			20.00		3.00	0.035									
79-B	Atlantic & Gulf Const. Co.							0.027									
1013	Dudley-Murphy Const. Co.				16.00		1.00	0.0375	0.035		76.00		0.65				
918-B	Couch Construction Co.										77.00	50.00	0.90				
977-B	Hiram McElroy	18.40			17.40		1.70	0.04									
E85	Kreis Contracting Co.	22.00		20.00	21.00		2.25	0.035	0.055	0.17	78.00		0.80	0.40	4.50		
787-B	Geo. D. Auchter & Co.	34.50		19.30	25.00		1.70	0.042	0.0405	0.1565	110.50	38.50	0.81	0.30			
949-B	Florida Bridge & Const. Co.				18.00		1.00	0.035	0.034		80.00		0.80				
1016&869	Dudley-Murphy Const. Co.	19.00			17.50		1.25	0.035	0.032		77.00	47.50	0.72				
E91	W. S. Lockman Const. Co.		20.00	30.00		25.00	1.00	0.04	0.055		100.00		1.00	0.80			2.00
93-B	John Johnson	30.00		22.00	21.00		3.00	0.0325						1.50			
E97-B	R. H. H. Blackwell		24.00	30.00		20.00	1.20	0.033	0.033	0.16	85.00		0.70	0.40			
1033	Paul Gilmore	24.00			16.00		1.90	0.035									

**STATE ROAD DEPARTMENT OF FLORIDA**  
**Mixed-in-Place Sand Asphalt Surface Course**  
**Cost Data as of December 31, 1932**

**COST OF ASPHALT**  
**F. O. B. JOB**      **COST OF APPLYING OIL**      **COST OF WORKING AND FINISHING**

Road	Project	Div.	County	Percent Complete	Length in Miles	Cross Section of Mat.	Total	Per Gal.	Per Sq. Yd.	Total	Per Gal.	Per Sq. Yd.	Total	Per Gal.	Per Sq. Yd.	Total Cost	Total Sq. Yds.	Gals. Per Sq. Yd.	Total Cost Per Sq. Yd.	Total Cost Per Gal.	Total Cost Per Mile
53	857	3	Santa Rosa	100%	19.54	21'x7"	57,893.03	0.0518	0.2427	10,206.45	0.0092	0.0430	18,872.00	0.0170	0.0791	86,971.48	238,408	4.65	0.364	0.0780	4,459.95
10	802-A	3	Okaloosa	100%	7.23	21'x7"	27,705.54	0.0543	0.3275	4,093.64	0.0080	0.0480	7,512.39	0.0147	0.0891	39,311.57	84,604	6.04	0.464	0.0770	5,437.28
10	803	3	Okaloosa	100%	11.14	21'x7"	54,072.30	0.0978	0.3381	7,978.54	0.0100	0.0373	8,410.65	0.0105	0.0603	70,461.49	139,322	5.72	0.505	0.0883	6,315.08
10	802-C	3	Okaloosa	100%	10.24	21'x6"	29,274.08	0.0722	0.2420	4,046.57	0.0100	0.0338	13,349.20	0.0328	0.1102	46,669.87	120,745	3.32	0.385	0.1150	4,557.60
218	3-A-2 in P.I.	3	Okaloosa	100%	1.79	19'x7"	6,005.25	0.0543	0.3000	1,105.94	0.0100	0.0552	902.58	0.0081	0.0451	8,013.77	20,015	5.52	0.400	0.0724	4,476.76
218	3-A-2 in P.2	3	Okaloosa	100%	0.91	20'x7"	3,115.95	0.0543	0.2489	573.84	0.0100	0.0458	1,567.77	0.0273	0.1253	5,257.56	12,518	4.58	0.420	0.0916	5,947.42
158	1035	3	Bay	100%	3.97	20'x7"	12,740.25	0.0466	0.2658	4,314.15	0.0158	0.0900	8,510.99	0.0311	0.1772	25,565.39	47,935	5.70	0.533	0.0935	6,439.60
10	788	3	Walton	100%	17.54	21'x7"	65,006.87	0.0543	0.3062	11,971.80	0.0100	0.0564	22,722.07	0.0190	0.1070	99,700.74	212,260	5.64	0.469	0.0832	5,684.19
10	688	3	Bay	100%	9.31	20'x7"	26,392.24	0.0543	0.2443	9,768.52	0.0200	0.0901	32,093.84	0.0655	0.2960	68,254.60	108,360	4.50	0.629	0.1397	7,331.35
10	702	3	Franklin	100%	5.00	20'x7"	21,218.17	0.0723	0.3537	2,934.74	0.0100	0.0489	11,031.37	0.0376	0.1838	35,184.28	59,990	4.89	0.536	0.1198	7,036.85
10	832	3	Santa Rosa	100%	4.32	21'x7"	15,860.96	0.0600	0.2930	2,934.68	0.0110	0.0540	8,390.13	0.0317	0.1550	27,185.77	54,133	4.88	0.502	0.1027	6,192.65
10	5-A-B-C	3	Santa Rosa	36%	19.66	20'x7"	24,470.00	0.0518	0.2902	4,723.94	0.0100	0.0560	9,080.63	0.0192	0.1077	36,274.57	84,305	5.60	0.454	0.0810	5,330.72
10	767	3	Bay	82%	5.27	20'x7"	14,324.63	0.0492	0.2606	4,367.26	0.0150	0.0794	18,564.49	0.0637	0.3377	37,256.38	54,972	5.30	0.677	0.1279	8,624.16
77	878	2	Gilchrist	53%	10.28	20'x6 1/2"	27,372.03	0.116	0.407	3,853.42	0.016	0.057	4,287.32	0.018	0.064	35,512.77	67,265	3.508	0.528	0.150	6,504.17
80	947	2	Clay-B'dford-Putnam	62%	6.80	20'x6"	20,883.70	0.0735	0.421	4,577.59	0.016	0.092	3,701.61	0.013	0.075	29,162.90	49,556	5.70	0.588	0.1025	6,934.10
Totals and Averages					119.57		406,335.00	0.0598	0.3000	77,451.10	0.0114	0.0572	168,997.04	0.0249	0.1248	652,783.14	1,354,388	5.01	0.482	0.0961	5,459.42

## CONVICTS

The Statutes of Florida require that all able-bodied convicts, except seventy-five, shall be turned over to the State Road Department to be used in the construction and maintenance of roads. The convict force is therefore an obligation of the Road Department under the law.

In the early history of the Department the convict force proved to be a distinct asset, and it afforded a construction gang that could be used on isolated grading jobs where free labor was not to be had.

Although this condition does not now obtain the Department still is in position to feed, house and clothe these prisoners and provide healthful work for them. Convicts are used principally on clearing, grubbing and grading operations. From a study of the cost sheets herein contained it will be seen that the average cost of this work by convicts compares favorably with the average cost by contract.

There are at the present time 21 construction camps and 6 maintenance camps in operation by the Department. The number of convicts have grown rapidly. In 1929 we had an average of 1,049, in 1930 an average of 988, and in 1932 an average of 1,338 prisoners. The cost of maintaining these men runs approximately \$450,000 per year. This includes all items necessary to maintain them such as food, clothes, camps, Guards, Captains and all things necessary to their maintenance.

Statements herein contained show the details relative to convict upkeep.

STATE ROAD DEPARTMENT OF FLORIDA  
Convict Construction Cost Report—1932

Project No.	Road No.	COUNTY	Camp No.	No. Men	No. Mules	CLEARING AND GRUBBING			GRADING			Expenditures To Date
						Quantity To Date	Cost To Date	Unit Cost To Date	Quantity To Date	Cost To Date	Unit Cost To Date	
60-A	4	Flagler-Volusia	30	66	41	127.40	17,336.99	136.08	266,260.0	75,388.86	0.28	121,628.99
79-A	4	Duval	45	94	23	203.39	36,951.94	181.68	261,079.0	90,543.27	0.34	181,780.82
702	10	Franklin	27	53	34	72.77	5,204.38	71.51	47,091.0	10,099.74	0.22	28,269.60
737	39	Washington	32	47	41	57.46	5,113.24	88.98	95,977.0	26,457.84	0.27	50,031.61
779	66	Liberty	26	60	38	89.38	10,949.08	122.50	160,056.0	45,383.46	0.28	80,340.56
793-C	15	Citrus	33	54	39	69.12	7,379.78	106.67	74,032.9	17,418.46	0.23	40,704.29
793-D	15	Citrus	33	52	19	94.30	2,780.48	29.48	87,548.5	26,469.71	0.30	42,276.45
796	13	Nassau-Duval	4	54	46	119.52	4,831.32	40.42	105,537.0	24,792.60	0.23	36,914.20
797	13	Nassau	4	65	41	159.65	8,116.00	50.84	175,606.0	38,214.80	0.22	79,346.53
805	25	Hendry	34	41	0	104.16	10,760.89	103.31	151,000.0	37,665.78	0.25	67,547.99
826	88	Holmes	1	57	40	74.61	5,580.76	74.79	122,501.0	36,962.66	0.30	57,182.88
830	66	Liberty	26	64	27	69.11	7,768.74	112.42	88,317.0	20,545.83	0.23	41,790.76
834	52	Jackson	37	56	35	90.65	8,098.22	89.33	125,867.0	38,854.79	0.31	76,066.52
864	45	Volusia	30	51	40	62.79	1,817.41	28.94	34,320.0	13,574.56	0.39	23,006.38
871	82	Columbia	16	56	34	81.40	6,749.47	82.91	49,644.0	12,432.56	0.25	40,107.99
873	49	Baker	36	55	44	130.46	6,388.26	48.96	127,247.0	41,463.07	0.32	64,737.75
875	23	Hernando	35	56	21	138.69	10,258.08	73.96	160,577.7	52,070.85	0.32	87,237.20
902	70	Sumter	2	42	42	137.85	4,769.27	34.59	123,563.8	27,619.66	0.22	43,450.21
947	80	Bradford-Clay	16	41	34	65.00	6,979.00	107.36	67,827.0	13,669.55	0.20	36,339.52
956	44	Volusia	3	50	30	80.87	10,681.46	132.08	199,782.0	53,164.07	0.27	78,588.57
957	44	Brevard	3	60	0	43.76	2,176.00	49.72	111,620.0	24,580.76	0.22	32,485.64
974-C	29	Osceola	41	50	0	246.22	13,768.55	55.92	346,534.7	86,176.41	0.24	115,581.34
977-A	32	Hardee	43	72	51	99.10	8,934.49	89.92	230,588.0	45,918.89	0.20	78,580.33
994	104	Martin	44	55	0	86.76	5,602.22	64.57	55,250.3	19,133.03	0.34	35,231.80
1007	23	Sumter	35	54	25	70.81	3,608.70	50.96	34,193.8	9,992.57	0.29	17,797.00
1013	25	Palm Beach	42	50	0	26.07	2,150.60	82.49	61,169.0	24,219.90	0.40	31,453.16
1017	103	Alachua	28	44	0	63.32	14,890.41	235.16	58,476.0	15,713.15	0.26	47,653.21
1025	204	Duval	30	47	40	23.80	3,606.93	151.55	1,826.0	1,491.33	0.81	12,819.02
1044	2	Hardee	43	72	51	14.40	1,439.62	99.70	800.0	873.58	1.09	3,759.02
1096	19	Calhoun	27	50	30	65.03	4,880.79	75.05	64,567.0	17,102.53	0.26	30,349.11
1099	199	Palm Beach	42	44	0	50.24	2,797.07	55.67	24,909.4	8,157.92	0.32	16,994.53
Totals and Averages						2,818.15	242,370.15	86.00	3,513,768.1	956,152.19	0.27	1,700,052.98

# STATE ROAD DEPARTMENT OF FLORIDA

## Statistical Statement Showing Cost of Operation of State Road Convict Camps Month of December, 1931, and Average for Year 1931

Camp No.	Groceries	Salaries	All Other Expenses	Total	Avg. Prisoners In Camp (Daily)	Avg. Prisoners On Road (Daily)	Prisoners Days In Camp	Prisoners Days On Road	Total Prisoners Days	Captain And Guard Days	Meals Served	Av. Cost Per Meal		Overhead Per Man		Total Cost Per Man		TOTAL COST PER MAN (ON ROAD)	
												Month	To Date	Month	To Date	Month	To Date	Month	To Date
1	727.64	599.00	212.73	1,539.37	57	47	514	1,260	1,764	240	5,292	.138	.137	.46	.52	.87	.93	1.22	1.21
2	363.72	590.00	445.14	1,398.86	41	38	321	939	1,260	240	3,780	.096	.101	.82	.67	1.11	.97	1.49	1.32
3	692.50	553.10	195.30	1,440.90	37	32	306	851	1,157	240	3,471	.200	.140	.65	.68	1.25	1.10	1.69	1.48
3	576.18	614.68	493.90	1,684.76	59	53	390	1,421	1,811	240	5,433	.106	.110	.61	.58	.93	.91	1.19	1.18
M-5	244.42	439.00	493.08	1,176.50	37	30	342	814	1,156	156	3,468	.070	.098	.81	.75	1.02	1.04	1.44	1.45
M-8	508.78	513.48	421.84	1,444.10	33	27	310	728	1,038	210	3,114	.163	.131	.90	.64	1.39	1.03	2.00	1.45
12	501.48	491.00	445.10	1,437.58	29	19	373	512	885	150	2,655	.189	.127	1.05	.65	1.61	1.03	1.61	1.45
16	615.49	615.12	531.33	1,761.94	43	39	303	1,044	1,347	257	4,041	.152	.123	.85	.74	1.31	1.11	1.69	1.47
26	599.47	555.00	483.65	1,638.12	64	50	662	1,332	1,994	210	5,982	.100	.124	.52	.68	.82	1.05	1.23	1.47
27	692.23	600.75	669.30	1,962.28	61	49	591	1,313	1,904	240	5,712	.121	.120	.67	.57	1.03	.93	1.49	1.31
M-28	236.45	513.00	314.26	1,063.71	32	26	315	692	1,007	210	3,021	.078	.118	.82	.91	1.05	1.26	1.54	1.73
30	560.32	618.25	313.40	1,491.97	55	43	550	1,172	1,722	270	5,166	.110	.128	.54	.58	.87	.96	1.27	1.32
32	505.00	599.00	357.06	1,461.06	47	38	433	1,022	1,455	240	4,365	.116	.115	.66	.63	1.01	.97	1.43	1.32
33	588.09	690.25	516.36	1,794.70	52	46	365	1,239	1,604	326	4,812	.122	.155	.75	.79	1.12	1.26	1.45	1.72
34	524.58	626.20	198.74	1,349.52	40	31	401	834	1,235	197	3,705	.142	.131	.67	.79	1.09	1.18	1.62	1.66
35	942.54	723.72	540.66	2,206.92	56	46	478	1,250	1,728	330	5,184	.182	.138	.73	.69	1.27	1.10	1.76	1.54
36	1,019.76	893.38	265.07	2,178.21	78	65	646	1,767	2,413	370	7,239	.141	.130	.48	.70	.90	1.09	1.23	1.55
37	887.97	599.00	522.58	2,009.55	58	47	510	1,274	1,784	252	5,352	.166	.120	.63	.62	1.13	.98	1.58	1.37
M-38	444.24	225.70	340.96	1,010.90	27	21	282	559	841	150	2,523	.176	.161	.67	.82	1.20	1.30	1.80	1.81
M-39	450.02	524.00	485.75	1,459.77	37	32	298	856	1,154	207	3,462	.130	.138	.88	.86	1.27	1.27	1.71	1.67
40	675.60	460.00	369.01	1,504.61	41	35	326	932	1,258	176	3,774	.179	.118	.66	.64	1.19	.99	1.61	1.39
41	749.31	826.51	559.25	2,135.07	49	41	391	1,124	1,515	351	4,545	.165	.145	.91	.79	1.41	1.22	1.90	1.74
42	328.93	666.93	397.82	1,393.68	33	25	357	665	1,022	215	3,066	.107	.161	1.04	1.24	1.36	1.72	2.10	2.62
43	780.66	45.00	473.55	1,299.21	29	19	396	504	900	62	2,700	.289		.58		1.45		2.58	
Total Month	14,218.38	13,582.07	10,045.84	37,843.29	1,095	899	9,860	24,104	33,954	5,559	101,862	.139		.70		1.11		1.57	
Previously	131,186.59	148,560.26	85,975.03	365,721.88	1,024	861	92,923	249,699	342,732	61,708	1,027,997		.128		.68		1.06		1.46
Total to Date	145,404.97	162,142.33	96,020.87	403,565.17	1,059	880	102,783	273,803	376,686	67,267	1,129,859		.129		.69		1.07		1.47

M—Maintenance Camps

Maintenance Cost Prisoner on Road to Date..... 1.63  
Construction Cost Prisoner on Road to Date..... 1.42

## STATE ROAD DEPARTMENT OF FLORIDA

### Statistical Statement Showing Cost of Operation of State Road Convict Camps

Month of December, 1932, and Average for Year 1932

Camp No.	Groceries	Salaries	All Other Expenses	Total	Avg. Prisoners In Camp (Daily)	Avg. Prisoners On Road (Daily)	Prisoners Days In Camp	Prisoners Days On Road	Total Prisoners Days	Captain And Guard Days	Meals Served	Avg. Cost Per Meal		Overhead Per Man		Total Cost Per Man		TOTAL COST PER MAN (ON ROAD)	
												Month	To Date	Month	To Date	Month	To Date	Month	To Date
1	655.83	599.00	308.09	1,562.92	54	44	487	1,197	1,684	248	5,052	.130	.105	0.54	0.53	0.93	0.84	1.31	1.16
2	561.64	540.00	414.96	1,516.60	44	38	347	1,013	1,360	217	4,080	.138	.106	0.70	0.62	1.12	0.93	1.50	1.23
3	686.06	589.84	585.45	1,861.35	60	50	498	1,359	1,857	237	5,571	.123	.112	0.63	0.62	1.00	0.95	1.00	1.28
4	473.81	599.00	375.32	1,448.13	55	41	562	1,108	1,690	248	5,070	.093	.104	0.58	0.37	0.86	0.88	1.31	1.15
M-5	145.12	435.00	604.24	1,184.36	30	24	270	647	917	155	2,751	.055	.073	1.13	0.57	1.29	1.08	1.83	1.48
M-8	473.58	533.94	591.72	1,599.24	42	36	331	966	1,297	225	4,891	.097	.103	0.87	0.71	1.23	1.03	1.66	1.38
M-12	355.03	491.00	221.36	1,067.39	30	21	336	582	918	186	2,754	.129	.103	0.77	0.68	1.16	0.99	1.83	1.41
16	592.55	591.50	515.38	1,699.43	53	46	413	1,233	1,646	248	4,938	.120	.100	0.67	0.67	1.03	0.96	1.38	1.29
26	628.98	643.84	540.79	1,813.61	56	42	597	1,139	1,736	268	5,208	.121	.082	0.68	0.52	1.04	0.76	1.59	0.76
27	274.87	657.06	478.85	1,410.78	50	37	541	995	1,536	260	4,608	.060	.088	0.74	0.55	0.91	0.81	1.42	1.20
M-28	416.75	608.39	547.16	1,572.30	44	39	333	1,047	1,380	270	4,140	.101	.071	0.84	0.72	1.14	0.93	1.50	1.23
30	448.95	524.00	674.99	1,647.94	48	41	376	1,106	1,482	217	3,446	.101	.102	0.81	0.54	1.11	0.84	1.49	1.13
32	339.23	545.00	152.48	1,036.71	46	36	462	972	1,434	217	4,302	.079	.102	0.49	0.51	0.72	0.87	1.07	1.22
33	817.03	634.52	409.64	1,861.19	50	44	365	1,198	1,563	277	4,689	.074	.118	0.67	0.60	1.19	0.95	1.55	1.27
34	474.38	592.03	503.66	1,570.07	50	42	426	1,124	1,550	244	4,650	.102	.119	0.71	0.66	1.01	1.01	1.01	1.59
35	669.82	588.55	458.72	1,717.09	54	47	400	1,262	1,662	242	4,986	.134	.129	0.63	0.58	1.03	0.97	1.36	1.30
36	735.71	627.30	459.06	1,822.07	53	40	562	1,077	1,639	276	4,917	.150	.114	0.66	0.60	1.11	0.93	1.11	1.30
37	442.42	545.00	506.02	1,493.44	55	39	626	1,076	1,702	217	5,106	.087	.095	0.62	0.53	0.88	0.85	0.88	1.22
M-38	362.18	437.80	431.03	1,231.01	35	29	373	706	1,079	155	3,237	.112	.100	0.81	0.79	1.14	1.03	1.75	1.44
39	567.58	529.50	292.62	1,389.40	39	32	331	867	1,198	220	3,594	.158	.129	0.69	0.70	1.16	1.02	1.60	1.53
40	559.38	432.13	374.17	1,365.68	44	39	300	1,061	1,361	171	4,083	.137	.106	0.59	0.50	1.00	0.81	1.29	1.07
41	903.44	800.00	534.12	2,237.56	57	51	386	1,372	1,758	372	5,274	.171	.108	0.76	0.57	1.27	0.91	1.63	1.12
42	637.48	623.36	383.96	1,644.80	44	36	392	971	1,363	262	4,089	.156	.122	0.74	0.85	1.21	1.21	1.69	1.78
43	1,046.86	665.19	646.53	2,358.58	70	59	579	1,593	2,172	286	6,516	.161	.121	0.60	0.55	1.09	0.93	1.48	1.34
44	484.11	582.94	572.65	1,639.70	40	51	488	1,097	1,585	230	4,755	.102	.159	0.73	0.84	1.03	1.32	1.03	1.89
45	982.67	444.60	944.60	2,371.87	92	81	667	2,194	2,861	220	8,583	.114	.118	0.49	0.55	0.83	0.90	1.08	1.23
M-46	509.22	453.67	1,182.99	2,145.88	28	19	316	535	851	155	2,553	.200	.183	1.92	1.65	2.52	2.20	4.01	3.56
Total Month	15,244.68	15,313.86	13,710.56	44,269.10	1,323	1,104	11,784	29,497	41,281	6,324	123,843	.123		0.61		1.07		1.50	
Previously	135,631.60	169,765.66	92,485.66	397,882.92	1,354	1,120	116,118	312,438	428,556	70,195	1,285,668	.105		0.70		0.93		1.27	
Total to Date	150,876.28	185,079.52	106,196.22	442,152.02	1,338	1,112	127,902	341,935	469,837	76,519	1,409,511		.107		0.62		0.94		1.29

M—Maintenance Camps

Construction	Cost per Man on Road	1.26
Maintenance	Cost per Man on Road	1.43

# STATE ROAD DEPARTMENT OF FLORIDA

Contracts Awarded by the State Road Department January 1, 1931, to December 31, 1931

## FEDERAL PROJECTS

Project No.	Road No.	County	Contractor	Length Miles	Length Feet	Contract + 10%	Type
73-C	17	Polk	John J. Quinn, Inc.	5.22		165,480.74	Concrete
67	50	Suwannee-Hamilton	Austin Bros. Bridge Co.		461.5	51,993.04	Concrete
60-B	4	Flagler-Volusia	Fred D. Beasley, Inc.		570	107,566.27	Concrete
72-A	28	Putnam-Flagler	Murphy Const. Co.	11.16		92,685.56	Grading
72-C	28	Flagler	Murphy Const. Co.	11.79		121,426.15	Grading
76-A	5	Hillsborough	Johnson, Drake & Piper	10.31		374,163.81	Concrete
78-A	4	Broward	Morgan-Hill Paving Co.	6.28		287,639.15	Concrete
77	4	Volusia	Rutherford Const. Co.	8.70		365,848.01	Concrete
80	4	Broward	Dudley-Murphy Const. Co.		102	26,515.99	Concrete
81	1	Jackson-Washington	Van Gordon Const. Co.	9.66		240,915.52	Concrete
83	17	Hillsborough	John J. Quinn, Inc.	2.67		105,658.75	Concrete
3-A	14	Alachua	R. A. Gray	3.30		108,976.94	Rock Base Surface Treated
57	5	Sarasota	E F. Powers Const. Co.	9.20		262,421.37	Rock Base Surface Treated
60-C	218	Okaloosa	McVay Lindsay & Son	9.17		12,867.55	Sand Clay
60-C	3	Nassau-Duval	C. G. Kershaw Contr. Co.		1,067	141,135.79	Concrete
78-B	4	Volusia	Duval Concrete Co.			9,453.47	Sidewalk
Total Federal Projects				87.46	2,200.5	\$2,474,748.11	

## STATE PROJECTS

706-B	1	Escambia	Soule Contr. Co.		64	10,995.62	Concrete
623	30	Indian River	Fred D. Beasley, Inc.	13.00		161,914.84	Rock Base Surface Treated
727	28	Putnam	T. B. Gillespie, Inc.	14.91		178,153.44	Rock Base Surface Treated
918	35	Madison	Manly Const. Co.	12.13		134,921.07	Rock Base Surface Treated
806-D	47	St. Johns	F. K. Webb & Assoc.	4.59		59,974.84	Rock Base Surface Treated
909-C	0	Gadsden	J. E. Ballenger Const. Co.	1.49		31,474.31	Rock Base Surface Treated
892	25	Hendry	Thomas Const. Co.		150	10,486.54	Timber
879-B	4-A	Dade	A. B. Curry Const. Co.	4.38		126,529.55	Concrete
952	3	Putnam	J. E. Ballenger Const. Co.	.37		14,550.95	Rock Base Surface Treated
710-D	17	Hillsborough	John J. Quinn, Inc.	.92		40,989.65	Concrete
893	30	Osceola	Faulk & Coleman	10.50		45,760.00	Sand Asphalt
893	30	Osceola	J. E. Ballenger Const. Co.			31,972.38	Sand Asphalt
868-A	5	Levy	Duval Engr. & Contr. Co.				
			and L. B. McLeod Const. Co.	7.33		63,608.44	Rock Base Surface Treated
868-C	5	Levy	Duval Engr. & Contr. Co.				
			and L. B. McLeod Const. Co.	12.76		133,784.97	Rock Base Surface Treated
779-B	19	Leon-Liberty	R. J. Arrington & Son		731	38,484.95	Timber & Concrete
875-B	2	Sumter	C. T. Felix		700	26,926.90	Timber & Concrete
948	22	Orange	McVay Lindsay & Son			124,243.33	Rock Base Surface Treated
Total State Projects				94.28	1,645	\$1,234,771.78	
GRAND TOTAL 1931				181.74	3,845.5	\$3,709,519.89	

STATE ROAD DEPARTMENT OF FLORIDA  
Contracts Awarded by the State Road Department January 1, 1932, to December 31, 1932

FEDERAL PROJECTS

Proj. No.	Road No.	County	Contractor	Length Miles	Length Feet	Contract +10%	Type
72-D	28	Putnam-Flagler	Powell Bros.		313	37,131.79	Concrete
53-D	2	Lake	Coastal Roads Co.	4.83		149,749.01	Bituminous Concrete
79-B	4	Duval	Hillyer & Reynolds		181	19,366.66	Concrete
87-A	19	Jefferson	Van Gordon Const. Co.	7.54		159,858.90	Rock Base Surface Treated
85	3	Seminole-Volusia	Langston & Murphy	3.79		287,325.80	Clearing, Grubbing, Grading
76-D	5	Hillsborough	Littrell Const. Co.		1460	51,730.16	Concrete
76-C	5	Hillsborough	W. L. Cobb Const. Co.	2.35		84,313.68	Concrete
E- 84-A	74	Marion	C. C. Moore Const. Co.	12.19		83,037.71	Grading
E- 87-C	19	Jefferson	Van Gordon Const. Co.	9.35		273,598.10	Rock Base Surface Treated
E- 85-B	3	Seminole-Volusia	Kreis Contr. Co.		689	137,747.67	Concrete Bridge
E- 89	13	Alachua	H. E. Wolfe Const. Co.	8.84		295,700.28	Concrete
E- 93-A	4-A	Dade	Wm. P. McDonald Const. Co.	7.78		380,952.29	Concrete
E- 90	5	Charlotte	W. L. Cobb Const. Co.	1.59		95,726.55	Rock Base Surface Treated
E- 3-D	218	Walton	Penton-Mathis Const. Co.	3.17		11,926.92	Grading
E- 93-C	4-A	Dade	Van Gordon Const. Co.	7.66		338,410.49	Concrete
E- 57	3	Nassau-Duval	H. E. Wolfe Const. Co.	3.26		122,716.53	Concrete
E- 72-A	28	Putnam-Flagler	T. B. Gillespie, Inc.	11.54		301,170.82	Rock Base Surface Treated
84-C	74	Marion	Curry & Turner Const. Co.	5.75		42,375.66	Grading
84-D	74	Citrus	Beckham & Lawler Const. Co.	6.60		60,870.23	Grading
91	4	Martin	W. S. Lockman Const. Co.		1224	423,296.21	Concrete
94	2	Polk-Osceola	S. J. Groves & Sons Co.	11.75		188,242.10	Grading
95-C	81	Levy	S. J. Groves & Sons Co.	8.74		90,501.87	Grading
93-B	4-A	Dade	John Johnson		66	10,593.49	Concrete
87-D	19	Madison	McVay Lindsay & Son	4.67		124,665.00	Rock Base Surface Treated
Total Federal Projects				121.40	3933	\$3,771,007.92	

STATE ROAD DEPARTMENT OF FLORIDA  
Contracts Awarded by the State Road Department January 1, 1932 to December 31, 1932

STATE PROJECTS

Proj. No.	Road No.	County	Contractor	Length Miles	Length Feet	Contract +10%	Type
718-B	5-A	Alachua-Columbia	John Johnson		216	24,292.45	Concrete
819-B	54	Okaloosa	Penton-Mathis Const. Co.		3087	95,964.54	Timber
695-C	2	Lake	Coastal Roads Co.	2.33		63,599.40	Bituminous Concrete
960	67	Glades	Wilson & Walter	6.19		36,695.02	Grading
977-B	32	Hardee	Paul Gilmore		217	18,967.94	Concrete
805	25	Hendry	J. D. F. Boggs		351	22,002.39	Concrete
1090	169	Duval	Duval Engr. & Contr. Co.	.67		14,883.29	Rock Base Surface Treated
1002	140	Broward	Everglades Const. Co.	2.07		32,445.98	Rock Base Surface Treated
870	143	Palm Beach	Coastal Roads Co.	10.90		26,348.30	Surface Treatment
785	47	St. Johns	T. B. Gillespie, Inc.	6.00		42,460.00	Mixed in Place Tar
562-C	8	Highlands	Manly Const. Co.	8.50		216,445.26	Rock Base Surface Treated
757	2	Polk	Rutherford Const. Co.	9.85		296,374.92	Macasphalt
758	2	Polk	J. E. Ballenger Const. Co.	7.17		221,125.85	Macasphalt
1024	47	Duval	Duval Engr. & Contr. Co.	6.88		280,426.41	Colprovia
1097	4	Duval	Duval Engr. & Contr. Co.	2.94		108,328.79	Colprovia
677-C	13	Levy	L. B. McLeod Const. Co.	10.30		177,833.53	Rock Base Surface Treated
1013	25	Palm Beach	Dudley-Murphy Const. Co.		250	10,054.50	Timber & Concrete
977-B	32	Hardee	Hiram McElroy		101	8,312.89	Concrete
918-B	0	Gadsden	Thomas Roberts		121	3,917.95	Timber
1094	0	Alachua	J. B. McCrary Co.	1.50		65,414.05	Concrete
1095	0	Leon	J. B. McCrary Co.	.90		28,699.94	Concrete
806-D	25	Hendry	A. O. Greynolds Co.	12.69		24,821.01	Surface Treated
816-C	25	Hendry	A. O. Greynolds Co.	11.00		21,253.15	Surface Treated
623	35	Madison	Coastal Roads Co.	12.88		23,688.15	Surface Treated
706-B	28	Putnam	Coastal Roads Co.	14.91		26,195.04	Surface Treated
1016	29	Okeechobee-Glades	Dudley-Murphy Const. Co.		1300	49,514.68	Timber & Concrete
949-B	22	Orange-Brevard	Florida Bridge & Const. Co.		200	9,713.00	Timber & Concrete
787-B	10	Washington-Walton	The Geo. D. Auchter Co.		7914	454,993.16	Timber, Concrete Steel
1033	2	Hardee	Paul Gilmore		303	22,325.71	Concrete
Total State Projects				127.68	14060	\$2,427,097.30	
GRAND TOTAL 1932				249.08	17993	\$6,198,105.22	

## DIVISION OF TESTS

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The Division of Tests of the State Road Department is composed of a Chemical and Physical Laboratory and Division Office located at Gainesville, Florida, with Branch Lime Rock Laboratories at Williston and Ocala, and Material Inspectors at some of the material sources of supply.

The ultimate purpose of this Division is to ascertain the quality of all materials which are proposed for the construction of State Road Department work and materials entering construction of either new construction, betterment or maintenance, and to accept or reject materials, based on test results compared with the Department's specifications. This Division notifies all Engineers, when new contracts are awarded, exactly what materials must be tested before construction is allowed to begin. When the samples are submitted, tests are made in accordance with the standard methods stipulated in the Department's specifications which are drafted to conform with the Standard Methods of the American Association of State Highway Officials. From the results of these tests the materials are either approved and accepted or rejected.

After construction begins, routine testing of all shipments of materials is done by this Laboratory and its field representatives, who are located on the various projects and furnished with the necessary field testing equipment. This Division trains all Field Inspectors doing testing work and daily checks the results of their work from their test reports. Should discrepancies be noted, the Inspector or Engineer is immediately notified and the discrepancy corrected. To further check the quality of the materials, and also to check our field representatives there is a certain amount of samples required to be sent this Laboratory which are tested.

At the completion of each project a final report is issued by this Division, copies being furnished the State Highway Engineer, U. S. Bureau of Public Roads, Division and Project Engineers and Contractor. This report is a complete summary of all tests made on the materials entering the construction of the project. It contains detailed test data on each sample tested. The Department requires certain minimum test requirements, such as; each car of stone and sand, each 200 barrels of cement, each shipment of reinforcing steel, each car of asphalt, tar or road oil, each car of surface treatment cover material, each car of lime rock, one percent of all drainage pipe either concrete, cast iron, vitrified clay or corrugated metal, all shipments of paint, waterproofing, expansion joint, mixing water for concrete before using and at regular periods during construction, all shipments of center strip and steel bars, dowel bars, woven wire guard fence, resili-flex guard rail, mineral filler, sand clay or top soil, sand rock asphalt mixture, Macasphalt and Colprovia asphalt mixtures, all hot asphalt mixtures, asphalt plank, pitch, creosoted timber, brick, etc. To determine the quality of practically all of these materials it is necessary to make from three to ten or more separate and different tests. For example: To make a complete test on cement requires a chemical analysis consisting of:

1. Loss on ignition
2. Insoluble Residue
3. Sulphuric Anhydride
4. Magnesia
5. Silica

6. Iron and alumina oxide.
7. Lime

Physical analysis consisting of:

1. Fineness determination
2. Soundness determination
3. Time of setting determination, initial and final
4. 7 and 28 day tensile test

The final report of this Division for each project contains this detailed test data on each sample of material. In addition it lists the producer of the materials and the location of the source of supply. If the project contains concrete, all compressive and flexural test results are listed and also graphs showing exactly what the strengths were on each days work for each of the different classes of concrete with corresponding air temperatures, and other detailed data.

This report is very useful in the settlement of final estimates and for future reference, as it is a complete history of the project from a material standpoint.

The Division of Tests designs and controls the mix for all concrete and asphalt projects.

This concrete design is worked up on the test data of preliminary samples of cement, sand and stone from each project, and is based on the standard water-cement ratio design. Each different class of concrete carries a different design so that the resulting concrete will be in conformity with specification requirements for quantities of material per unit volume of concrete and of the proper satisfactory strength.

The asphalt design is worked up from standard accepted methods in conformity with the American Association of State Highway Officials and the Asphalt Institute.

All inspectors for asphalt or concrete work are given a course of training in this Division before being allowed to go on construction.

Before a new project is begun, preliminary samples of all materials are submitted to this Laboratory and all preliminary tests are made. From this data the mixes for the various classes of concrete are designed and trial batches of concrete are made in the Laboratory from which test cylinders are cast, cured and tested so that we have actual strength results to be expected of the concrete before work begins. After construction begins the Plant Inspector controls the mix daily, in his plant laboratory with the field testing equipment issued by this Division. He tests each car of material when it arrives before allowing it to be unloaded, unless it has been previously tested by this Laboratory or its Branch Inspectors. Each day concrete is poured, he makes a moisture determination of the aggregates and a correction for moisture in the mix so that the water-cement ratio will remain as designed. His other duties of control are to check the weights of each ingredient entering each batch of concrete, making other tests such as gradation, unit weight determination, colormetric tests on sand, weight tests on cement, flexural tests on concrete, specific gravity, etc., and issues a daily report of the work. These reports are studied by this Division, and in this way we are constantly in contact with each active project, and are in a position to catch any discrepancies that might occur in control of the mixtures.

On concrete bridge and paving projects we require four 6" x 12" concrete test cylinders for each 30 cubic yards of bridge concrete placed or two cylinders for each 500 square yards of pavement concrete. These are cast and cured under standard methods and submitted to this Laboratory for compressive strength tests at the age of 7 and 28 days. In order to determine instantly what the strengths are on any project under construction, each project is scaled on co-ordinate paper and placed on a wall in this Division. Each day as the compressive test results are computed the strength results are plotted on these sheets by inserting colored pins. At a glance the

concrete strength of any active project can be seen, and should anything happen to cause the strength to be low it can be detected, investigated and corrected before much damage is done.

To economize on the cost of getting test samples from the projects to the Laboratory, a truck was put in service. Prior to this time the samples were transported by express which proved very costly. This truck is operated weekly, covering all the projects and brings to the Laboratory about 80% of all samples received. This sample truck is operated by a trained Construction Engineer, so it really serves a double duty. The Engineer when gathering test specimens checks up the job with the Inspector and corrects or reports to this Division anything that needs correcting to increase the quality of the work. At the beginning of each concrete or asphalt project, no mixing of concrete or asphalt is permitted until the Contractor's proportioning and mixing equipment is checked and reported satisfactory by this Division. The above mentioned truck is used to transport the necessary standard weights for calibrating the scales of the proportioning equipment.

During the later part of 1929 the Road Department decided to improve the status of the Division of Tests so that it would compare with similar Divisions of other State Highway Departments. To accomplish this it was necessary to remodel the building, re-organize personnel and re-equip the Laboratories by discarding the inaccurate and improvised testing equipment and secure standard equipment. The Laboratories are now equipped to handle the testing of practically all highway materials and is as well equipped as any Highway Laboratory in the South. Prior to this time the majority of testing for the Department was handled by Commercial Laboratories. Since the re-organization this Division has practically taken over all the work previously handled by Commercial Laboratories, at a great saving to the State. One of these economical changes was in taking over by this Division the cement testing on cement shipped from the Florida Portland Cement Mill at Tampa. Prior to February 1, 1930 all cement from this mill used by the Department was tested by Commercial Laboratories with prices ranging from 1½ to 2½ cents per barrel. On the above mentioned date the Road Department through its Division of Tests took over the sampling and testing of all cement produced by the Florida Mill and used in State Road construction. An Inspector was placed at the mill, with duties to sample the cement as it is being stored into silos and submit the samples to this Laboratory at Gainesville. The silos are sealed with the Department seal, and after 7 day tests, if test results are satisfactory, the Inspector breaks the seals and releases the cement for shipment, supervising the loading of cars and sealing same before shipments are made. From the time this arrangement started until the end of 1932 this Division tested 545,160 barrels of cement, and figured at the lowest price of commercial work of 1½ cents per barrel, a saving of at least 50% on cement testing has been obtained. This inspector also supervises the stock of reinforcing steel handled by a broker in Tampa, submitting samples to this Division and checking steel shipments from this concern going to State projects.

The Physical Laboratory of this Division handles the testing of all fine and coarse aggregate for concrete, coarse aggregate for asphalt and surface treatment work, mixing water and cement for concrete, flexural and compressive tests of concrete, brick, pipe, etc. To comply with the standards of the U. S. Bureau of Public Roads, it is necessary to have an annual inspection of cement testing equipment and methods by the Cement Reference Laboratory of the U. S. Bureau of Standards. Our Laboratory has had two of these inspections which resulted in receiving a very satisfactory report. Another of these inspections is to be made in January 1933.

In order to make our cement testing and concrete curing standard, it was necessary to construct a moist curing room. This was done and we now have a moist room, thermostatically controlled for a 70 degree F. temperature and from 95 to 100% humidity which is one of the requirements in cement and concrete testing. This room was designed and partially constructed by the personnel of this Division.

On account of a great percentage of our road construction consisting of lime rock, the problem of testing this material grew to one of great magnitude. It was desired to get a chemical analysis of each car of rock shipped to State Road Projects. Our sources of supply consist of ap-

proximately fifteen (15) different quarries. At first an Inspector was placed on this work to supervise the quarrying of the product from each quarry, and to obtain samples from each car and send them to the Laboratory at Gainesville for test. By the time test results were available the material had been received on the projects, and in most cases used. As this control was very poor it was decided to install branch laboratories in the vicinity of the various quarries, which has been done by placing laboratories in Marianna, Williston, Ocala and one on the lower East Coast at Ojus. These laboratories sample and test each car of lime rock as it is loaded and before shipments are made. In this way, if it is necessary to make a rejection on account of unsatisfactory material, it is done at the quarry and the producer loses nothing on freight, and the State insures itself against getting any rock into the roads which is not satisfactory material.

All drainage pipe is now being tested, and mill tests are made by the Division of Tests on concrete pipe at the Jacksonville and Tampa pipe plants. We have our stencil and as the producer makes new pipe, his supply is tested, and if results are satisfactory, the sections of pipe are stenciled with the Department's mark and stored on the yard until shipped. This saves time and money in pipe testing and gives results more quickly to the field engineers.

The Chemical Laboratory of this Division handles the testing of all materials which require chemical work, such as; chemical analysis of cement, lime rock, asphaltic cement, asphalt sands, surface treatment oils, tars, creosote oils, paints, metals, etc. Also the extraction and analysis of asphalt paving mixtures of all kinds, and soil analysis.

This Laboratory also handles the material surveys for sand asphalt projects, and sub-soil investigations, going into the field, obtaining the samples, then returning to the Laboratory and completing the tests. From this test data this Division issues a report before projects are let to contract. From these reports a study can be made of the different classes of soil which comprise the sub-soil, and from this the type of pavement can be designed which is most suited to the soil conditions. This survey shows weak soils which may be conditioned by treating with other materials, which will add longer life and satisfactory service to the pavement that is placed upon it.

In connection with the Chemical Laboratory, is a photographic Department, which consists of a dark room for developing pictures. A camera is used quite extensively in our work and all developing of pictures is handled by the Chemical Laboratory.

The present policy of the Road Department is to let a tire contract every six months for the tires to be used on Department vehicles. At a meeting of the Department in 1931 a complaint arose from some of the tire manufacturers that certain makes of tires were inferior and should not be allowed to compete in lettings with their tires. A result of this was that the Board authorized and ordered the Highway Engineer to have the Division of Tests equip for tire testing and conduct tests on the various makes of tires.

This Division obtained data from the U. S. Bureau of Standards and built and purchased tire testing equipment on similar lines as theirs. The first batch of tires were tested and reported by the time the next letting occurred. Between this time and the next letting, another batch of tires were tested with a few modifications in test methods, as we have learned that the Government Specifications didn't appear drastic enough to obtain any material difference in the different makes of tires. Another report was issued before the next letting, and we decided to still further change our test methods for the next batch. This was done with very good results and a report will be issued before the next letting. We feel like the tire testing has been a great factor in obtaining a better grade of tire in this State.

The Department's specifications require a certain thickness for lime rock bases, concrete and asphalt pavements. The thickness determination of these bases and pavements is made by this Division. We have a concrete core drill for concrete pavements, and electric drill for lime rock bases and a small hydraulic sample taking outfit for asphalt pavements. This equipment is sent to each project when completed and cores or holes are drilled at regular intervals. The cores are sent to the Laboratory for measurement then tested for compressive strength, and reported. The

holes drilled in lime rock bases are measured by the drill operator and reported to this Division. Final payment is based on the thickness as determined by these drills.

Recently this Division has started inspection of pressure treatment creosoted timber. We have been handling inspection of untreated timber for several months, with commercial laboratories handling the creosote inspection, but recently for various reasons the Department decided to handle their own inspection.

At various times this Division places inspectors at the sources of supply of some materials. At the present we have four inspectors, who are located at the cement mill in Tampa, the rock quarry at Brooksville and a Lumber Inspector and oil chemist at the creosoting plant in Pensacola. Last summer when concrete work was heavy we had a branch laboratory for testing concrete sand at Interlachen and one at Lake Wales. These sand laboratories have been closed until enough work is under way to justify their existence. The sand at the present time is tested on the projects by our Field Inspectors.

We do not have a research department as no provision has ever been made for same, however, in an organization of this kind research work is very important, as a small expenditure now may mean the saving to the State of thousands of dollars in later years, and realizing this fact we attempt to carry on as many research problems as possible, with our present personnel, whenever time from routine work permits.

During the past two years we have had a few very interesting and beneficial research problems under way. Some complete and some still incomplete. The most interesting ones are:

1. A study of Florida lime rock to determine the cause and remedy of cracks and failures in bases.
2. Pavement slab design.
3. Difference in base metals of corrugated metal culvert pipe.
4. Difference in quality of automobile and truck tires.
5. Paint studies and investigations for a better quality of paint for this State.
6. Concrete pavement crack surveys and study of causes of cracks.
7. Cooperative asphaltic oil tests, with the oil producers and the U. S. Bureau of Public Roads in an effort to simplify and standardize asphaltic oil specifications.
8. Various concrete mixtures to determine the advisability of lowering the amount of cement in our concrete pavement. (Resulted in lowering the cement factor in the specifications 0.05 barrel per cubic yard of concrete which will effect a considerable saving during the present construction program.

A number of other minor problems were undertaken and completed during the last two years.

In an effort to get all field men to adopt a standard method of control of concrete, reporting, sampling materials properly, identifying samples correctly, etc., this Division had a bulletin printed titled; "Instructions to Project Engineers and Concrete Proportioning Plant Inspectors for the Control of Concrete in the Field." This bulletin has been issued to all Project Engineers and Inspectors and has been a great help in standardizing the control of concrete, field sampling and testing of materials.

At the close of each year this Division works up a yearly cost report, which takes into consideration the expenditures of the Division for the year, and the amount of work accomplished.

# COST OF DIVISION OF TESTS, YEARS 1931 and 1932

	1931	1932
Depreciation of Plant .....	\$ 5,798.76	\$ 6,418.84
Salaries and expenses .....	50,871.97	47,093.83
Miscellaneous expenses .....	14,183.99	10,935.49
Operation (Power, Lights & Water) .....	1,303.29	1,460.24
Depreciation of Rolling Stock .....	3,205.00	2,864.63
Totals .....	\$ 75,363.01	\$ 68,773.03
Testing done by Commercial Laboratories .....	\$ 4,373.62	\$ 3,066.16

Note: It has been the policy of the Division of Tests since 1929 to take over, as much as possible, the work formerly done for the State Road Department by Commercial Laboratories. The extent to which this has been accomplished is shown by a comparison of the figure for Commercial testing for 1930 which was \$20,952.94 with those for the years 1931 and 1932.

## TESTS MADE BY THE DIVISION OF TESTS DURING 1931 AND 1932

Material	Number Tests made 1931	Number Tests made 1932	Total Number Tests made
Asphalt, oils .....	4,910	4,735	9,645
Asphalt, sheet mixes .....	571	624	1,195
Asphalt, sands .....	58	300	358
Asphalt, premolded joint filler .....	66	15	81
Asphalt, premolded bridge floor .....	3	..	3
Brick .....	101	118	219
Bronze bolts .....	8	..	8
Cement .....	6,420	1,806	8,226
Concrete, cores drilled .....	1,246	182	1,428
Concrete, compression tests .....	9,877	5,473	15,350
Concrete, flexural tests .....	88	140	226
Concrete, designs .....	45	10	55
Concrete, absorption .....	74	72	146
Concrete, specific gravity .....	..	152	152
Concrete, sands .....	3,253	1,032	4,285
Concrete and asphalt coarse aggregates .....	3,458	2,362	5,820
Concrete, water .....	1,918	1,246	3,164
Creosote oils .....	135	96	231
Lime .....	6	..	6
Lime rock .....	21,078	14,660	35,738
Lubricating grease .....	..	13	13
Paint and varnish .....	219	204	423
Pipe, concrete .....	824	494	1,318
Pipe, vitrified clay .....	12	15	27
Pipe, cast iron .....	1	5	6
Pipe, corrugated metal .....	33	76	109
Pitch .....	3	..	3
Resiliflex guard rail .....	21	12	33
Sand and clay .....	167	..	167
Steel, reinforcing bars .....	461	391	852
Steel, center strip .....	8	..	8
Sub-soil .....	2,226	1,426	3,652
Tar, road oil .....	508	584	1,092
Tar, water-proofing .....	84	54	138
Woven wire guard fence .....	51	27	78
Totals .....	57,931	36,324	94,255
Lumber inspection—F. B. M. ....	..	984,600	984,600
Lumber inspection—Piling lin. ft. ....	..	6,100	6,100

STATE ROAD DEPARTMENT OF FLORIDA  
Traffic Census Report—1931

Road No.	Location	January		February		March		April		May		June	
		Cars	Trucks	Cars	Trucks	Cars	Trucks	Cars	Trucks	Cars	Trucks	Cars	Trucks
1	Black Water River Bridge .....	932	188	728	150	774	285						
1	Victory Bridge .....	961	158			949	188						
1	Ellaville .....	631	64	563	124	753	110	795	170	1,359	76	1,353	135
2	White Springs .....	751	92	815	178					815	83	746	113
2	High Springs .....											886	77
2	Bellevue .....	1,895	296	1,450	354	1,330	371	1,770	285	2,185	145	1,912	307
2	Kissimmee-Orlando .....			1,884		1,320	189	1,197	205	1,209	204		
2	Kissimmee-Lakeland .....											1,569	109
2	Arcadia .....			500	137	831	157	665	162	859	97	673	149
3	Wild's Landing .....					1,238	210	592	122	515	43	489	69
3	Orlando-Sanford .....							1,401	173			1,591	205
3	Dunn's Creek .....	613	197	586	247	891	188	650		527	136	472	
4	Callahan .....	1,174	260	801	109	836	220	1,252	346	1,127	173	919	235
4	Bunnell .....	1,289	116	967	73	990	163	695	72	660	149	658	24
4	Sharpes .....			4,758	701			810	154	2,394	531	721	139
4	Vero .....	1,729	321	2,243	426	2,182	323	2,309	476	1,632	310	1,229	214
4	Dade-Broward .....	4,674	757					2,452	513	720	78	1,003	234
5	Dunnellon .....	1,326	114	1,177	172	1,160	227	1,126	190	1,190	85	785	117
5	Brooksville .....	1,574	69	1,080	133	1,314	196	1,388	233	1,811	310	1,181	266
5	Palmetto-Elleston .....	711	191	814	101					1,378			
17	Lakeland-Plant City .....	2,387	378	2,375	530	2,565	452	1,824	359	2,899	133	1,692	337
17	Tampa-Oldsmar .....	1,343	140	873	58	1,127	118	877		1,106	106	1,042	130
24	Kissimmee-Melbourne .....	355	83	583	104	518	124	934	125	436	150	581	138
27	Carnestown .....	512	47	655	48	550	50	273	34	233	8	182	18
TOTALS .....		22,857	3,471	22,852	3,645	19,328	3,571	21,010	3,619	23,055	2,817	19,684	3,016

STATE ROAD DEPARTMENT OF FLORIDA  
Traffic Census Report—1931—(Continued)

Road No.	Location	July		August		September		October		November		December	
		Cars	Trucks	Cars	Trucks	Cars	Trucks	Cars	Trucks	Cars	Trucks	Cars	Trucks
1	Black Water River Bridge .....			1,070	235	910	255			679	252		
1	Victory Bridge .....	922	154	1,045	169	841	222	1,021	220	959	269	1,434	183
1	Ellaville .....	694	88	697	111	654	58	603	108	616	107	1,155	148
2	White Springs .....			805	169			548	133	561	167	591	245
2	High Springs .....												
2	Belleview .....	1,989	270	1,781	201	1,781	205	1,913	285	1,831	260	2,628	1,388
2	Kissimmee-Orlando .....	1,134		1,068	221			999	264	1,227	295		
2	Kissimmee-Lakeland .....					903	236						
2	Arcadia .....	623	102	905	58			786	147	677	241	844	220
3	Wild's Landing .....	404	61	537	48	384	79	512	66	529	98		
3	Orlando-Sanford .....	1,399	238										
3	Dunn's Creek .....	542	124	564	131	545	112	1,136	105	620	242	791	238
4	Callahan .....	661	79	892	278	750	259	1,024	255	938	351	1,161	262
4	Bunnell .....	686	141	663	132	541	129	761	130	675	144	1,135	178
4	Sharpes .....	675	97			651	146	805	140	1,254	292	1,334	197
4	Vero .....	2,554	400	1,569	189	1,322	190	1,648	169	1,658	220	2,285	330
4	Dade-Broward .....	184	15	1,072	204			1,369	128	950	227	1,657	296
5	Dunnellon .....	1,064	205	934	179	558	301	1,022	245	569	181	1,434	254
5	Brooksville .....	1,294	131	1,390	258			1,533	237	1,285	316	2,111	383
5	Palmetto-Ellenton .....					1,128	169						
17	Lakeland-Plant City .....	1,473	323	1,403	263			2,084	323	1,881	381	3,227	356
17	Tampa-Oldsmar .....	920	167	905	104			991	119	892	151	982	134
24	Kissimmee-Melbourne .....	557	120	397	104	426	103	562	23	461	110	562	96
27	Carnestown .....	197	17	225	26	168	14	260	9	228	25	579	24
	TOTALS .....	17,972	2,732	17,922	3,080	11,562	2,478	19,577	3,106	18,490	4,329	23,910	4,932

STATE ROAD DEPARTMENT OF FLORIDA  
Traffic Census Report—1932

Road No.	Location	January		February		March		April		May		June	
		Cars	Trucks	Cars	Trucks	Cars	Trucks	Cars	Trucks	Cars	Trucks	Cars	Trucks
1	Black Water River Bridge .....	1,034	157	670	278	667	304	972	84	626	275	777	247
1	Victory Bridge .....	1,275	108	551	222								
1	Ellaville .....	677	43	569	150	542	173	672	85	522	141	540	92
2	White Springs .....	753	155	701	220	666	151	600	125	526	134	550	108
2	High Springs .....												
2	Bellevue .....	1,837	286	1,718	273	1,614	371	1,664	72	1,433	316	1,607	172
2	Kissimmee-Orlando .....			1,440	313	1,256	271	988	256	929	252	923	220
2	Kissimmee-Lakeland .....												
2	Arcadia .....	719	136	641	205	591	183	652	173	542	150	670	127
3	Wild's Landing .....	605	76	636	177	714	137			436	92		
3	Orlando-Sanford .....												
3	Dunn's Creek .....	685	322	521	355					478	157		
4	Callahan .....	1,078	172	830	274	965	292			865	296		
4	Bunnell .....	1,136	161	1,276	165					593	131		
4	Sharpes .....	1,094	255	1,182	265	946	234	939	183	543	173	651	110
4	Vero .....	1,904	149	1,577	115	1,633	270	1,338	295	1,108	246	1,094	210
4	Dade-Broward .....	3,403	593	3,768	775	3,305	643	3,522	177	2,037	500	2,096	276
5	Dunnellon .....	1,182	225	1,036	234	1,230	272	1,236	121	910	285	941	272
5	Brooksville .....	1,797	314	1,775	493	1,445	474	1,686	372	1,483	381	1,331	314
5	Palmetto-Elenton .....												
17	Lakeland-Plant City .....	2,441	470	2,566	549	2,178	420	2,302	215	1,822	435	1,710	312
17	Tampa-Oldsmar .....	1,122	136	1,170	153	925	101	1,591	163	1,167	140	1,137	145
24	Kissimmee-Melbourne .....	358	55	455	85	371	70	273	111	218	68	300	73
27	Carnestown .....	407	57	451	84	347	46	190	33	204	13	219	27
TOTALS .....		23,507	3,870	23,533	5,385	19,395	4,412	18,625	2,465	16,442	4,185	14,546	2,705

STATE ROAD DEPARTMENT OF FLORIDA  
Traffic Census Report—1932—(Continued)

Road No.	Location	July		August		September		October		November		December	
		Cars	Trucks	Cars	Trucks	Cars	Trucks	Cars	Trucks	Cars	Trucks	Cars	Trucks
1	Black Water River Bridge .....	1,188	103	793	241	891	344	539	235	1,172	164	1,154	246
1	Victory Bridge .....												
1	Ellaville .....	645	53	651	88	532	78	466	128	615	90	858	111
2	White Springs .....	848	62	615	181	532	103	430	105	522	129	955	119
2	High Springs .....												
2	Bellevue .....	1,588	91			1,374	1,003	1,403	280	1,408	132	2,101	365
2	Kissimmee-Orlando .....	779	201	775	221	771	217			1,099	273	1,036	303
2	Kissimmee-Lakeland .....	688	151										
2	Arcadia .....			698	119	345	129						
3	Wild's Landing .....												
3	Orlando-Sanford .....												
3	Dunn's Creek .....												
4	Callahan .....												
4	Bunnell .....												
4	Sharpes .....	863	91	713	129	550	103			904	173	947	235
4	Vero .....	1,000	254	923	186	1,319	293			1,680	373	1,737	400
4	Dade-Broward .....	1,464	355	1,755	334	2,134	364			1,021	90	3,295	307
5	Dunnellon .....	1,323	211	881	229	957	202						
5	Brooksville .....	1,559	308	1,738	432	1,910	386						
5	Palmetto-Elleston .....												
17	Lakeland-Plant City .....	2,226	133	1,655	311	2,044	357						
17	Tampa-Oldsmar .....	1,236	131	1,144	105	945	101						
24	Kissimmee-Melbourne .....	260	76	366	142	183	69			233	44	230	68
27	Carnestown .....	147	19	375	48	264	35			689	31	588	55
	TOTAL .....	15,817	2,239	13,082	2,766	14,751	3,784	2,838	748	9,343	1,499	12,901	2,209

## MAINTENANCE

Maintenance is the first obligation in efficient administration of highways. It has become a major activity in this Department and is that service which conserves the original road investment while securing safety, comfort and economy of operation for traffic. It shall be planned and executed with the greatest care. The accomplishments should be constantly studied for the purpose of bettering the results and lowering the costs. Traffic service through the highways, the only cause for the operation of the Road Department, is dependent upon maintenance because where construction ends maintenance begins whether it was constructed by the state or the counties.

This Department has recognized the importance of maintenance and it has been carried on under its reorganization in 1929 towards the end of better service to the public in keeping with economy at all times. The general policy has been, first: economy; second: preserving the original investment of the road; third: safety and comfort of the traveling public.

The Department has been operating under the centralized control of maintenance and by this method all sections of the state have received the benefit of the best methods developed in any other part of the state. The centralization of maintenance operations has made it possible to unify the work and make improvements throughout the state in line with the best practice developed. This centralization of operations included the centralization in the headquarters office of the cost accounting so that uniform and accurate records are maintained both as to the individual costs of the various projects and the equipment as well, and has enabled the Department to conscientiously and very accurately prepare budgets in accordance with the law for the maintenance work in keeping with the necessity and condition of the sections of roads maintained. Maintenance work is carried on under Regular Maintenance, Betterments and Bridge Operation and Maintenance. The accompanying tables showing the amounts of money expended this biennium on the various projects in the state indicates this method of accounting. It will be noted that there have been major expenditures on betterments on some sections. These expenditures have been in line with the policy of preserving as much of the original investment as possible, adding increased facilities for benefit of the traffic in keeping with the necessity caused by increased traffic and condition of the road. This form of expenditure naturally will increase from year to year especially on low type roads built by the Department as well as those taken over for maintenance from the counties. It is well to mention at this point that the lower the type road the higher the cost of maintenance. However, there is a limit to the amount of money to invest and this should be based wholly upon the traffic demands as low investments plus conscientious and regular maintenance will obtain the same results.

Efficient maintenance is constant maintenance. What is meant by constant maintenance is forces and equipment necessary to do the work when needed and at all times. The present traffic demands are such that the day of doing a little work on a section of road every week or two is passed. It is not meant by this that it is necessary for a whole crew to patrol every section of road every day but it is necessary that the supervision should cover all sections and forces and equipment be so located that the necessary work can be done immediately. This supervision is best taken care of by technically trained and experienced men and is a part of the present system of operation of this department.

The Department at the end of 1930 was maintaining 3,536 miles of roads; at the end of 1931 it was maintaining 4,694 miles and at the end of 1932 it was maintaining 5,868 miles of road of twenty different types. Of the 5,868 miles there were 3,361 miles built by the state and 2,517 constructed by the counties and taken over for maintenance. It is readily seen from this that there is a steady increase in the mileage maintained and the monies necessary for proper main-

tenance automatically to increase in proportion. The proposed budget for 1933 shows a mileage of 6100. However, from the accompanying tables it will be noted that although the mileage has increased, the cost per mile has decreased. This is extremely noticeable if it is compared with the last biennium.

The Department feels that in line with the duty of the Department to first preserve the investment of the public, that maintenance funds as budgeted should be the first monies expended and that the funds should be held for that purpose before new construction is started.

Due to the lack of revenue, maintenance for 1932 was decidedly curtailed at the end of the nine month's period. This naturally resulted in the present appearance and condition of some sections of the highways.

Maintenance work is carried on at present partly with convicts and partly with free labor. Convict labor on maintenance is only economical in such localities where there is sufficient concentrated mileage out of one central point that the fixed cost of the crew can be distributed over a large mileage and therefore reduce the cost per mile. There is no appreciable saving in working convicts on maintenance although the class of work is superior to free labor. The Department has now at work convict crews on maintenance at the following locations: Milton, Niceville, Cottondale, Tallahassee, Ocala and Gainesville and is working a combination construction and maintenance crew at Lake City and contemplates doing the same at Tavares. There are other localities in the state where convicts can be used on maintenance provided the Department continues to operate with the prisoners and there is insufficient funds to carry on both maintenance and construction.

The majority of equipment necessary for the maintenance is in the nature of trucks, tractor mowers, a few small tractors for road machine and drag work. This equipment is in fair condition but there are some 25 pieces of obsolete trucks that are not worth maintaining for regular constant work. It has been the policy in the past to make the necessary replacements each year in the interest of economy, trading off the old equipment for new. Quite a number of old Model T Fords and 1926 Chevrolets were eliminated this biennium and results have been reflected in the cost of operation. The Department maintains an Equipment Division at Gainesville that only operates at present as a supply depot and storage place, the Maintenance Division maintaining what is known as field repair shops at convenient locations in the state to take care of field repairs and inspections of its equipment. This system was inaugurated about three years ago in lieu of attempting to make all necessary repairs at one central point. We have in operation at present a field repair shop at DeFuniak Springs, Tallahassee, Lake City, Gainesville, Lakeland and West Palm Beach.

After a number of years of operation it is the belief of this Department that there is a decided value in standardizing the equipment. If all equipment were standardized the various and sundry parts would be interchangeable and where similar pieces of equipment require the same service the time involved in furnishing the necessary parts is reduced to a minimum. In this manner a smaller stock of parts will be needed and obtained without much delay. The Department is operating at present Fords, Chevrolets, Internationals, Federals and Reos, together with several old Mack, Ruggles and one or two Army trucks.

STATE ROAD DEPARTMENT OF FLORIDA  
Maintenance Cost By Projects—1931

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Engineer- ing	Total
1	1	Okaloosa	Milligan	Holt	7.65	S. C. S. T.	380.73	829.33	142.74					151.98	1,537.47
1	3	Jackson	Apalachicola River Bridge			Conc.-Steel				1,912.01	11.36	19.13	2.20		1,912.01
1	6	Madison	Greenville	Aucilla River	5.46	R. B. S. T.	162.20	316.35	24.54	22.16	6.78	8.97		130.57	671.67
1	9	Holmes	Ponce de Leon	Argyle	8.16	S. C. S. T.	118.03	1,422.47	4,445.27	19.72	24.90	15.14	3.40	235.74	6,284.67
1	11	Baker-Nassau-	Duval												
1	14-A	Santa Rosa	Baldwin	Station 948 West	15.27	Concrete	213.64	1,395.29	186.80	23.86	14.13	15.70	56.15	259.40	2,164.97
1	14-B	Santa Rosa	Blackwater River Bridge	Station 338 + 80	5.96	Brick-Conc. Sh.	58.02	606.95	29.76	94.87	13.42	13.70	3.66	110.52	917.20
1	20	Holmes-Wash.	Choctawhatchee Riv. Br.			Timber-Steel	1.44	24.24		3,891.65	196.54	30			4,114.17
1	21	Baker	Glen St. Mary's	East to Station 65	5.64	Concrete	54.04	376.62	28.10	5,111.62	39.68	7.57		67.15	5,413.16
1	22	Baker	Columbia Co. Line	Project No. 11	8.89	Concrete	66.96	1,168.71	369.25	5.95	1.00	7.49	19.22	85.27	1,723.85
1	23	Duval	Project No. 674	Baldwin	12.83	Concrete	170.98	1,874.21	532.77			15.57	2.42	265.20	2,861.15
1	24	Columbia	Lake City	Baker Co. Line	9.98	Bit. Macadam	235.03	793.53	63.77		1.00	8.30		78.76	1,180.39
1	35	Escambia	Pensacola	Nunez Ferry	4.98	Concrete	150.29	334.09	931.01		63.55	3.90		119.94	1,602.78
1	38-A	Escambia	Approach Escambia Riv. Br.		3.26	S. C. S. T.	62.59	524.02	1,382.32	756.76	1,182.93	9.25	3.66	212.75	4,134.28
1	38-B	Escambia	Escambia River Bridge			Timber-Steel				2,807.08					2,831.04
1	45	Suwannee-Madison	Suwannee River Bridge			Conc.-Steel				2.32		25.76			40.08
1	52	Escambia	Pensacola	Escambia River	10.07	Concrete	183.54	1,849.54	12.00	43.50	31.61	22.64		276.47	2,842.39
1	54	Leon	Tallahassee	East	12.96	Concrete	360.54	2,597.60	391.66	139.79	396.52	101.50	192.24	169.68	4,349.53
1	54-A	Leon	Jefferson Co. Line	Project No. 54	6.45	R. B. S. T.	124.51	1,076.62	64.89		285.21	19.52		74.45	1,645.20
1	58	Jefferson	Leon Co. Line	Monticello	6.12	R. B. S. T.	372.58	3,032.61	219.36		180.37	13.07		88.51	2,155.51
1	59	Jefferson	Aucilla River	Monticello	9.10	Concrete	121.70	1,349.48	131.04	374.41	61.59	7.85		109.73	2,155.80
1	61-A	Gadsden	Quincy	Mt. Pleasant	10.00	Concrete	215.80	1,498.49	468.91		181.89	30.12		177.92	2,573.13
1	61-C	Gadsden	Mt. Pleasant	Chattahoochee	9.80	Concrete	222.21	821.46	354.95	91.92	187.26	44.26		174.56	1,896.62
1	504	Columbia	Lake City	Suwannee Co. Line	9.30	R. B. S. T.	213.16	1,133.29	249.48		11.00			87.77	1,713.41
1	516	Jackson	Approach to Victory Br.	West	11.68	S. C. S. T.	742.28	1,415.16	9,336.26	631.18	541.80	52.18	3.79	233.10	12,956.75
1	529	Suwannee	Live Oak	Suwannee River	12.68	Concrete	216.15	458.89	312.61	128.00		9.92	267.08	201.51	1,466.16
1	533	Suwannee	Columbia Co. Line	Live Oak	13.31	R. B. S. T.	351.80	1,632.77	170.86	42.55	17.23	10.42		234.53	2,460.16
1	557	Gadsden	Approach to Victory Br.			Concrete				764.28					792.45
1	565	Madison	Suwannee River	Madison	15.99	Concrete	243.89	2,584.10	360.60	126.45	198.85	12.51	344.08	414.61	4,285.09
1	567	Walton	Okaloosa Co. Line	Holmes Co. Line	21.87	S. C. S. T.	295.25	2,641.04	1,417.56	16.18	46.82	75.39	.58	600.46	5,093.28
1	568	Jackson	Pope's Lake Bridge			Timber		139.02	989.26	265.79					1,394.07
1	571	Madison	Greenville	Madison	14.28	R. B. S. T.	332.79	1,248.97	4,524.78	24.82	547.75	30.01		405.02	7,114.14
1	579	Holmes	Westville	Ponce de Leon	6.81	S. C. S. T.	175.25	144.39	1,416.29	451.02	34.56			144.88	2,386.97
1	585	Santa Rosa	Milton	Pace	8.50	S. C. S. T.	116.61	608.30	237.66	26.38	259.03	35.93	3.66	218.87	1,506.44
1	585-B	Santa Rosa	Pond Creek Bridge			Timber-Conc.		5.60							5.60
1	586	Jackson-Wash.	Marianna	Chipley	17.36	S. C. S. T.	123.99	725.89	11,399.16	493.78	177.82	25.00	42.09	534.31	13,522.04
1	590	Okaloosa	Project No. 1	Project No. 14	9.27	S. C. S. T.	92.10	172.50	7,397.03	1.66	1.29	13.94	3.66	196.87	7,797.05
1	621	Okaloosa	Walton Co. Line	Milligan	17.47	S. C. S. T.	230.05	5,423.35	6,445.54	547.51	151.49	42.83	2.20	523.30	13,366.27
1	631	Wash.-Holmes	Chipley	Bonifay	8.16	S. C. S. T.	151.97	2,104.33	8,369.81	35.36	168.42	46.67		156.72	11,033.28
1	631-B	Holmes	Alligator & Holmes Crk Brgs			Timber				92.84	29.93				122.77
1	634	Jackson	Marianna	11 miles East	11.03	S. C. S. T.	193.81	616.12	4,012.80	182.66	1,050.38	46.62		191.35	6,303.74
1	634-B	Jackson	Chipola River Bridge			Conc.-Steel				373.95					373.95
1	638	Santa Rosa	Blackwater River Bridge	Beginning of Pavement	.40	Concrete		.26	45.41		2.10		3.72	22.92	113.94
1	658	Holmes-Wash.	Bonifay	Caryville	8.35	S. C. S. T.	146.42	1,924.54	4,865.91	37.13	110.93	22.72		139.55	7,232.70
1	672	Leon	Tallahassee	Gadsden Co. Line	9.79	Concrete	327.59	2,005.55	145.11		92.34	38.31		97.34	2,706.24
1	672-B	Leon-Gadsden	Ochlocknee River Bridge			Conc.-Steel				318.56					318.56
1	673	Gadsden	Leon Co. Line	Quincy	14.94	Concrete	220.02	2,665.48	93.69	36.04	353.15	44.00		184.52	3,596.90
1	673-B	Gadsden	Little River Bridge			Conc.-Steel		77.42	81.84	579.65					738.91
1	674	Duval	Jacksonville	Enterprise	3.54	Concrete	255.29	826.09	69.66			3.71	19.50	78.52	1,252.77
1	697-B	Escambia	Perdido River Bridge			Timber		58.18	57.72	85.72	16.15	59.81			277.58
1	827	Escambia	Escambia Bay Bridge			S. C. S. T.		137.99	770.79	411.16	212.72	33.36			1,572.40
1	879	Escambia	Project No. 35	Project No. 697	8.16	Concrete	171.75	789.44	89.07		89.07	6.38			2,015.87
1	880	Escambia	Pensacola	Project No. 35	1.98	Concrete	59.06	402.24	845.00	5.82	10.21			201.53	1,385.22
2	2	Osceola-Polk	Kissimmee	Station 218	4.13	Brick-R. S. S. T	273.33	268.27	555.31	570.47	19.90	25.15		47.08	1,790.61
2	4	DeSoto	Arcadia	Project No. 15	3.05	Con.-R. S. S. T	72.75	16.39	62.51		3.12	2.35		30.72	189.68
2	7	Hamilton	Jasper	Georgia State Line	12.90	R. B. S. T.	590.94	262.50	253.17	1.80	57.62	19.30	3.54	271.60	1,458.57
2	7-B	Hamilton	Alapaha River Bridge			Conc.-Steel				22.95					22.95
2	8	Alachua	Columbia County Line	Burnett's Lake	11.42	Bit. Macadam	587.14	91.27	415.36	20.01	11.70	25.34		222.47	1,373.29
2	13	Orange	Plymouth 162	Mt. Dora	8.56	Sheet Asphalt	375.76	595.28	189.38		14.43	28.72	5.85	179.06	1,388.48
2	19	DeSoto	Suwannee River	Carlstrom Field	4.01	Con.-R. S. S. T.	22.91	36.21	65.88	1.00	3.66	3.14		25.58	158.38
2	26	Hamilton	Suwannee River	Genoa	8.15	R. B. S. T.	282.17	239.00	198.80		1.00	6.91		55.49	693.37
2	27	Columbia	Lake City	Suwannee River	10.78	Concrete	176.69	412.40	61.37	409.47	24.16	8.97		94.05	1,187.11
2		Columbia	Lake City	Project No. 505	12.44	Concrete	262.77	1,406.20	270.68		25.61	10.27		143.57	2,119.10

STATE ROAD DEPARTMENT OF FLORIDA  
Maintenance Cost By Projects—1931—(Cont'd.)

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Engineer- ing	Total
2	30	Col.-Hamilton	Suwannee River Bridge	Jasper		Conc.- Steel				39.76		24.00			63.76
2	31	Hamilton	Genoa	Genoa	11.80	R. B. S. T.	173.34	406.83	163.17	22.45		9.23		92.65	887.67
2	33	Alachua	Burnett's Lake	Gainesville	12.59	Bit. Mac.	689.09	180.26	475.57		375.69	31.09	2.30	231.13	1,985.13
2	37-A	Alachua	Gainesville	Project No. 37-B	.68	Sh. Asphalt	26.11	355.13	92.27		25.35	.55		9.71	509.12
2	37-B	Alachua	Underpass	Payne's Prairie		Concrete	41.44	89.88							131.32
2	37-C	Alachua	Project No. 37-B	Payne's Prairie	3.46	Sh. Asphalt	217.91	1,490.00	160.40	1.65	116.01	2.54		47.06	2,035.57
2	37-D	Alachua	Across Payne's Prairie	Marion Co. Line	2.14	R. B. S. T.	295.43	332.27	127.70	.79	650.35	1.67		41.78	1,449.99
2	37-E	Alachua	Payne's Prairie	Ocala	7.97	R. B. S. T.	576.52	3,957.44	223.51		388.65	15.75		162.93	5,324.80
2	43	Marion	Lowell	Leesburg	10.54	Sh. Asphalt	278.42	1,894.36	412.14		120.00	10.57		198.06	2,913.55
2	44	Lake	Marion Co. Line	Leesburg	10.53	Asp. Concrete	324.17	963.97			47.67	52.02		165.15	1,552.98
2	53-A&C	Lake	Leesburg	Tavares	9.06	Asp. Concrete	286.40	984.72		29.60	8.35	11.23		129.77	1,450.07
2	53-B	Lake	Dead River & Dora Bridges	Mt. Dora		Conc.-Steel				600.00					600.00
2	53-D	Lake	Tavares	Orlando	4.48	Graded	13.47	111.02	4.62		8.72	3.50		19.95	161.28
2	71	Orange	Plymouth	Orlando	14.36	Asp. Concrete	727.70	3,198.95	179.56	352.72	79.27	54.49	66.6	284.12	4,943.43
2	84	Alachua	University Corner	Road 2 No. Gainesville		Sh. Asphalt									
2	503	Charlotte	DeSoto Co. Line	Lee County Line		R. B. S. T.	38.39	13.62		43.32				3.99	99.32
2	505	Columbia	Project No. 27	Alachua Co. Line	18.23	Marl	396.24	5,625.69	155.44	10.65	18.44			579.43	6,934.27
2	505-B	Columbia-Alachua	Santa Fe River Bridge	Alachua Co. Line	10.98	R. B. S. T.	236.09	852.58	844.24	10.60	9.12			91.72	2,045.35
2	530	Marion	Bellevue	Lake Co. Line		Timber-Steel		1.60		35.00					36.60
2	538	Marion	Alachua Co. Line	Lowell	15.56	R. B. S. T.	977.38	731.23	709.62		20.54	24.26		320.40	2,783.43
2	542	Hardee	Bowling Green	Wauchula	10.92	R. B. S. T.	510.13	212.93	521.12		209.42	8.53		236.48	1,698.61
2	553	Marion	Ocala	Bellevue	5.56	Brick-R. S. S. T.	166.62	328.03	178.19	38.52	13.98	8.52		178.78	912.70
2	563	Osceola	Project No. 2	Polk Co. Line		Sh. Asphalt									
2	573-A	Orange	Orlando	Osceola Co. Line	8.80	R. B. S. T.	370.03	1,306.70	148.09		35.47	7.16		173.04	2,038.49
2	599	DeSoto	Carlstrom Field	Charlotte Co. Line	52.71	Graded	6.48	792.08	12.10	19.90				73.98	969.11
2	609	Hardee	Wauchula	Polk Co. Line	12.27	Brick-R. S. S. T.	347.01	709.13	1,868.94	109.53	19.90		7.26	229.48	3,363.81
2	610	Osceola	Kissimmee	Peace River	6.79	Marl	51.81	560.56	3,407.63	1,171.94		8.44		190.93	5,391.31
2	616	DeSoto	Arcadia	Orange Co. Line	5.06	Brick-R. S. S. T.	128.80	187.00	48.33	147.28	11.02	3.96		144.95	671.34
2	648	Hardee	Bowling Green	Hardee Co. Line	2.70	Brick-R. S. S. T.	73.18	203.42	3,081.48	50.95	47.59	15.54		41.50	3,513.66
2	661	Lake	Leesburg	Brownsville	4.66	R. B. S. T.	75.91	504.68	464.08	23.64	19.23	7.80		146.92	1,242.26
2	687-A	Lake	Helena Run	Polk Co. Line	14.10	R. B. S. T.	387.71	78.33	247.29	11.00	236.47	2.00		30.54	557.17
2	687-B	Lake	Groveland	Polk Co. Line	2.56	Sh. Asphalt	199.63	88.53		3.56	624.17	11.74		195.78	2,319.04
2	695	Lake	Silver Lake Forks	Eustis	15.00	Sh. Asphalt	391.62	974.10	118.07		97.06	11.83		243.21	3,096.76
2	695-B	Lake	Haines Creek Bridge	Hardee Co. Line	13.86	R. B. S. T.	728.98	1,538.48	477.20		3.50	8.22		154.85	1,169.75
2	758	Polk	Polk City	Polk Co. Line	10.34	R. B. S. T.	347.85	1.00	26.47	900.00				901.00	
2	761	Polk	Haines City	Osceola Co. Line		Timber-Steel					2.84	5.68		125.04	377.94
2	961	Polk	Polk City	Lake Co. Line	7.26	Graded	6.24	137.82	100.32					90.51	1,562.72
3	18	Putnam	Cisco	Osceola Co. Line	9.80	Sh. Asphalt	449.45	80.65	909.13	13.89			5.85	130.70	2,897.42
3	46	Nassau	St. Mary's River Bridge	Polk Co. Line	11.65	R. B. S. T.	884.17	218.14	1,649.02	5.72	15.85			287.94	2,297.76
3	421	Nassau	St. Mary's River Bridge	Volusia Co. Line	12.79	Bit. Mac.	779.39	1,153.73	25.30	19.95	15.60	73.26	11.59	288.15	2,858.71
3	522	Nassau	Project No. 46	South of Yulee	11.52	Concrete	525.40	1,015.32	857.06	21.17	66.76			6,789.12	
3	532	Volusia	Putnam Co. Line	Project No. 884	4.06	R. B. S. T.	151.03	113.97	698.46	6,696.35	95.64	32.89	5.99	101.54	5,970.49
3	543	Seminole	Sanford	DeLeon Springs	19.34	R. B. S. T.	727.18	1,109.40	1,014.96	219.20	34.85	26.78		413.40	3,545.77
3	575	Putnam	Cisco	Orange Co. Line	3.00	Brick									
3	588	Putnam	Through Crescent City	Dennis Creek	16.54	Bit. Mac.	1,059.87	1,654.22	1,116.72	3.60	281.87	58.44		604.87	4,779.59
3	595	Volusia	DeLeon Springs	Dennis Creek	5.68	R. B. S. T.	365.17	1,049.10	180.29		221.40	4.99		115.07	1,936.02
3	627	Putnam	East Palatka	DeLand	2.35	Sh. Asphalt	29.22	43.76		3.00	8.35	2.38		32.76	119.47
3	628	Putnam	DeLand	DeLand	6.38	R. B. S. T.	561.24	371.88	437.93		14.86	5.81		140.32	1,532.04
3	642	Putnam	Rice Creek	Dennis Creek	6.32	R. B. S. T.	312.81	1,455.80	133.90	7.95	367.79	5.49		142.27	2,426.01
3	659	Clay	Duval Co. Line	Monroe Bridge	10.45	R. B. S. T.	706.75	438.57	165.39	13.00	269.39	14.29	6.40	212.08	1,819.87
3	660	Clay	Green Cove Springs	Clay Co. Line	10.19	R. B. S. T.	520.41	1,625.81	414.28	311.58	131.18	15.49		278.60	3,297.36
3	664	Clay	Doctor's Lake Bridge	Putnam Co. Line	13.13	R. B. S. T.	561.72	2,085.05	1,828.41		60.81	33.23		328.40	4,942.42
3	665	Clay	Black Creek Bridge	Putnam Co. Line	10.04	R. B. S. T.	394.38	984.01	90.35		28.62	10.82		251.12	1,798.26
3	705	Volusia	Monroe River Bridge	Putnam Co. Line		Conc.-Steel				1,575.66					1,575.66
3	721	Putnam	Palatka	Conc.-Steel		Timber-Steel	16.50		10.64	1,606.98					1,617.62
3	721-B	Putnam	Rice Creek Bridge	Rice Creek	3.03	Brick-R. S. S. T.	192.26	289.64	329.17	3,751.18	27.50			63.51	3,795.18
3	884	Duval	Trout River	Project No. 522		Conc.-Steel		7.52	14.10	11.44	69.55	2.84		958.41	
3	885	Duval	Jacksonville	Clay Co. Line	11.15	Sh. Asphalt	673.73	867.15	373.33	617.99	13.06		2.47	264.58	2,365.83
3	952	Putnam	Dunn's Creek Bridge	Clay Co. Line	4.92	Sh. Asphalt	68.08	48.25		11.64	7.75			12.85	172.41
4	32	Nassau	Duval Co. Line	5 Mi. No. of Callahan	10.01	Bit. Mac.	243.95	920.03	2,208.59	719.74	59.78	16.39		250.32	4,416.80
4	36-A	Indian River	Vero Beach	Wabasso	7.73	Bit. Mac.	750.83	464.42	73.11	12.65	110.76	26.93		201.97	1,640.67
4	36-B	Indian River	Wabasso	Sebastian River	7.29	Concrete	526.93	314.88	63.73	6.70	349.25	13.56	68.05	166.12	1,509.22
4	40-A	Brevard	Sebastian River	Melbourne	16.54	R. B. S. T.	893.01	644.93	936.93	11.58	542.49	21.34	8.77	464.78	3,523.83

STATE ROAD DEPARTMENT OF FLORIDA  
Maintenance Cost By Projects—1931—(Cont'd.)

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Engineer- ing	Total
4	40-B	Brevard	Turkey Creek Bridge			Concrete	25.90	44.08							
4	40-D	Brevard	Titusville	Project No. 546	6.71	R. B. S. T.	402.60	184.09	591.77	1,299.88	191.22	51.26	15.54	158.20	1,369.86
4	40-E	Brevard	Titusville	Volusia Co. Line	13.61	R. B. S. T.	1,047.01	967.57	5,276.65	50.34	193.71	46.99		385.96	1,595.40
4	41	Dade	Miami	Brevard Co. Line	11.73	Sh. Asphalt	545.59	102.56	399.02	80.83	145.63	100.41	13.75	329.60	1,697.39
4	47	St. Johns	Duval Co. Line	St. Augustine	15.57	Concrete	625.98	1,333.26	6.10	64.23	139.80	88.44	2.30	380.71	2,640.82
4	48	St. Johns	St. Augustine	Pellicer's Creek	15.64	R. B. S. T.	598.71	749.39	145.49	8.73	111.64	25.03		396.70	1,835.69
4	49	Flagler	Pellicer's Creek	Bunnell	13.79	R. B. S. T.	880.57	1,103.59	138.25	37.93	411.73	13.00		310.43	2,895.50
4	63-A	Palm Beach	Delray	Brevard Co. Line	9.21	Concrete	213.55	1,204.48	248.95	43.03	28.92	28.37	3.35	239.47	2,010.12
4	63-C	Brevard	Hillsborough Riv. Bridge			Conc.-Steel	40.32	10.00	1,380.76			22.50			1,453.58
4	68-A-1	Palm Beach	Palm Beach Canal Bridge	Ft. Lauderdale	13.27	Concrete	787.36	2,180.78	240.55	68.70	7.40	48.99	180.89	341.51	3,856.18
4	71	Brevard	Crane Creek Bridge			Conc.-Steel	20.00								2,383.01
4	78-A	Brevard	Dania			Concrete	28.55	148.99	8.00		5.00				189.90
4	507	Flagler-Volusia	Bunnell	Dade Co. Line	6.28	Concrete	31.40	2.00	91.72	21.90		46.00		10.51	203.53
4	521	Nassau	Project No. 32	End of Rellly's Asphalt	8.72	R. B. S. T.	423.78	1,269.24	345.06	13.47	43.86	15.68		196.33	2,307.42
4	546	Brevard	Sharps	Georgia State Line	12.57	R. B. S. T.	387.03	1,557.05	2,026.82	10.56	59.66	18.50		314.37	4,373.99
4	554	Brevard	Bonaventure	5 miles north	4.68	R. B. S. T.	337.91	208.15	1,160.11	2.16	131.07	11.96		648.28	2,499.64
4	597	Volusia	New Smyrna	Project No. 608	4.52	R. B. S. T.	372.74	248.69	219.67		75.74	10.04		529.41	1,456.29
4	604	Volusia	New Smyrna	Brevard Co. Line	16.62	R. B. S. T.	1,018.83	530.40	269.92	8.00	361.12	28.02	1.24	354.01	2,571.54
4	608	Brevard	Melbourne	Port Orange	7.66	R. B. S. T.	495.79	124.65	653.12	121.00	157.50	32.28	41.53	153.17	1,779.04
4	620	St. Lucie	Vero Beach Bridge	Project No. 554	9.90	Concrete	432.69	455.24	353.88	4.91	254.98	16.50	41.89	278.19	1,838.28
4	640-A	Martin	Stuart			Timber		70.33	25.30						95.63
4	640-B	Martin	Gomez	Gomez	8.99	Sh. Asphalt	825.29	136.44	101.56	139.78	67.12	40.92		424.80	1,736.51
4	641	Palm Beach	Jupiter River	Jupiter	11.83	Sh. Asphalt	599.09	392.85	109.76	42.75	155.38	56.08		332.41	1,688.32
4	641-B	Palm Beach	East Coast Canal Bridge	West Palm Beach	1.00	Bit. Mac.									
4	654	Broward	Dade Co. Line			Conc.-Steel	7.58	27.09	30.12	1,503.44		42.79			1,611.02
4	656	Palm Beach	Jupiter River Bridge	Ft. Lauderdale	6.26	Bit. Mac.	296.32	305.59	340.31	21.99	60.44	47.12	166.47		1,397.62
4	668	Brevard	Sharps			Conc.-Steel	10.46	16.06	34.54	1,607.75	4.50				1,673.31
4	683-A	Palm Beach	West Palm Beach	Through Bonaventure	13.46	R. B. S. T.	888.29	254.78	176.21	9.31	27.36	47.49	12.16	378.24	1,793.86
4	691	Indian River	Vero			Concrete									
4	692	St. Lucie	Indian River Co. Line	St. Lucie Co. Line	2.87	Rock Asphalt	685.27	1,121.80	630.06	59.24	2.00	47.44	55.12	327.06	2,927.99
4	693	St. Lucie	Ft. Pearce			Bit. Mac.	749.17	597.84	103.44		387.40	43.71	23.34	153.68	2,058.58
4	694	Martin	St. Lucie Co. Line	Martin Co. Line	7.34	Concrete	710.68	369.46	93.88	5.16	131.63	26.80	28.19	183.96	1,549.76
4	858	Duval	Bayard	Stuart	12.73	Concrete	778.75	1,484.42	144.66	595.26	71.56	32.03	84.85	240.35	3,431.88
4	883	Duval	Jacksonville	So. Jacksonville	4.36	Concrete	529.45	118.23	72.97	3.60	174.73	37.62	22.88	160.64	1,120.12
4	888	Martin	St. Lucie River Bridge			Bit. Mac.									
4	896	Brevard	Deerfield	Nassau Co. Line	3.10	Sh. Asphalt	445.73	1,237.18	619.99	66.53	26.22	71.69		425.75	2,893.09
4	897	Monroe	Card Sound			Sh. Asphalt	529.61	661.53	182.49	485.21	20.50	31.87	3.45	236.70	2,151.36
4	898	Monroe	No. end Key Vacas			Conc.-Steel	7.48	27.58	10.66	1,232.26	1.15				1,279.13
4	899	Monroe	Homestead	Project No. 654	19.60	R. B. S. T.		70.73	101.47		1.15	15.34		64.06	252.75
4	900	Dade	Card Sound Bridge	Matecumbe	46.00	R. B. S. T.	2,390.03	932.01	1,254.33	1,753.69	20.01	51.40	6.90	1,200.39	7,603.78
4	900-B	Monroe-Dade	Card Sound	Key West	14.00	R. B. S. T.	657.07	396.64	1,213.68		10.95	197.53		1,200.39	2,480.48
4	909	Dade	Homestead	Card Sound	38.00	R. B. S. T.	3,103.04	20.64	5,259.80	27,278.86	1,810.18	143.81	6.90	977.02	38,600.27
4	17	Manatee	Bullard			R. B. S. T.	15.00	16.25	1,711.78	362.29	5.25	19.12		864.96	3,495.52
4	65	Hillsborough	Alafia River Bridge			Timber-Steel	18.20	35.88	7,235.66						7,289.74
4	70	Hillsborough	Peace River Bridge	Naranja	14.62	R. B. S. T.	1,376.31	177.73	392.41	73.73	223.50	108.39		451.65	2,803.72
5	510-512	Charlotte	Wimauma	Hillsborough Co. Line	7.87	Bit. Mac.	239.94	203.20	9.00	18.60	30.21	32.51		206.29	739.75
5	519	Pinellas	Palmetto			Concrete	5.55	6.00		7.20					18.75
5	539	Marion	Dunnellon	Manatee Co. Line	11.68	Sh. Asphalt	538.48	1,068.26	1,446.38	1,491.07	42.13	349.38	3.19	370.69	3,844.66
5	544-A	Pasco	Hillsborough Co. Line	Project No. 17	7.75	R. B. S. T.	654.67	384.81	211.00	2.12	6.06			128.98	1,397.14
5	544-B	Pasco	Station 462.00	Levy Co. Line	11.86	R. B. S. T.	137.70	444.22	60.89	2.74	17.56	8.84	196.66		1,068.61
5	545	Hernando	Brooksville	Station 462.00	8.75	R. B. S. T.	207.26	340.87	259.09	7.90	7.22			145.94	968.28
5	548	Levy	Alachua Co. Line	Hernando Co. Line	11.06	R. B. S. T.	155.06	372.45	165.82			9.03		107.01	809.37
5	564-A	Charlotte	Sarasota Co. Line	Brooksville	9.45	Sh. Asphalt	173.11	562.87	59.96	46.49	7.77			152.09	1,002.29
5	564-B	Charlotte	Accline	Marion Co. Line	20.40	R. B. S. T.	87.38	443.84	396.77	2.74	4.13	52.66		458.02	1,445.54
5	564-C	Charlotte	Punta Gorda	Charlotte Harbor	11.11	R. B. S. T.	381.24	282.18	211.99	63.46	5.59	8.69	1.55	343.19	1,297.89
5	570	Pinellas	Bradenton	Lee Co. Line	9.85	R. B. S. T.	370.38	98.07	129.88	67.41	10.94	7.71		307.35	991.74
5	576	Sarasota	Myakka River	Accline	3.81	R. B. S. T.	532.25	74.90	153.63	20.43	62.51	13.16		118.63	975.14
5	576	Sarasota	Myakka River	Sarasota Co. Line	3.91	Bit. Mac.	279.28	59.23	5.64	9.58	2.12			69.43	434.78
5	576	Sarasota	Myakka River	Charlotte County Line	5.63	R. B. S. T.	227.94	117.97	45.02	4.70	8.28	8.62		137.93	550.46

**STATE ROAD DEPARTMENT OF FLORIDA**  
**Maintenance Cost By Projects—1931—(Cont'd.)**

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Engineer- ing	Total
5	581	Hillsborough	Six Mile Creek	Project No. 510	11.79	R. B. S. T.	152.93	1,216.07	339.05	24.43	114.25	179.95	6.67	345.99	2,379.32
5	589	Lee	Charlotte Co. Line	Caloosahatchee River	8.45	R. B. S. T.	216.97	366.24	269.17	2.68	34.58	18.04		246.52	1,154.26
5	593	Sarasota	Manatee River Bridge			Concrete		6.18	28.80	2,852.63				97.38	512.08
5	613	Sarasota	Sarasota	Project No. 570	4.25	Sh. Asphalt	285.46	87.33	60	9.50	2.12	29.49		97.38	512.08
5	614	Sarasota	Sarasota	Venice	16.90	A. Concrete	1,078.00	641.85	162.21	9.50	20.58	37.55		485.10	2,434.79
5	614-B	Sarasota	Venice, Hatchet, Shacket &	Phillippi Bridges		Concrete	8.77		22.10					30.87	
5	615	Sarasota	Venice	Project No. 83	1.21	R. B. S. T.	559.70	62.44	86.97	678.10	3.04	19.00		335.39	1,744.64
5	617	Alachua	High Springs	Newberry	0.00	R. B. S. T.	333.37		18.85		7.10	4.70		80.37	444.36
5	618	Alachua	Archer-Newberry Dist.	Levy Co. Line	10.89	R. B. S. T.	591.43		2.26		62.39	8.52		110.89	775.49
5	619	Alachua	Holder	Inverness	9.28	R. B. S. T.	696.60		13.97		58.88	15.77		201.13	2,160.82
5	625	Citrus	Overhead crossing	Floral City	10.57	R. B. S. T.	260.35	865.76	39.98	348.28	432.49	8.50	4.35	428.29	
5	625-B	Citrus	Inverness	Project No. 570		Concrete	3.66		5.02	419.53		10.72		126.78	1,114.65
5	626	Citrus	Bradenton	Station 242 + 21.5	6.58	R. B. S. T.	150.59	515.35	187.31	10.20	113.70	4.26		91.17	561.75
5	635	Manatee	Floral City	Brooksville	1.28	A. Concrete	153.35	147.44	86.36	67.40	4.26	11.77		177.61	1,724.64
5	663	Hernando	Station 418-92.6	Holder	6.73	R. B. S. T.	239.71	725.53	225.52	18.40	321.04	15.73	1.10	136.43	1,322.05
5	679	Citrus	Caloosahatchee River Br.	Mayo	6.40	Concrete	275.42	615.54	44.85	58.29	116.95	5.05		135.59	1,251.69
5	682	Lee	Mayo	Brantford	6.40	Concrete	82.87	171.62	72.68	3,053.85	40.32			417.93	2,958.04
5	769	Lafayette	Suwannee River Bridge	Mayo	17.66	R. B. S. T.	191.39	2,291.56	8.83	30.61	365.11	497.13		3,114.53	
5-A	518	Lafayette	Taylor Co. Line	Mayo		Timber-Steel			186.29	2,252.29	178.10	10.33		244.38	2,436.53
5-A	518-B	Lafayette	Itchtucknee River	Mayo	13.20	R. B. S. T.	218.38	1,582.05	58.58	3.00		3.61		65.25	697.66
5-A	535	Columbia	Ft. White	Itchtucknee River	4.61	R. B. S. T.	106.11	461.11	139.81	24.18	23.21	6.58		18.96	344.19
5-A	587	Alachua	High Springs	Santa Fe River	1.65	R. B. S. T.	131.45		21.32	23.39	6.43			152.69	866.81
5-A	618	Suwannee	Santa Fe River	Ft. White	7.99	R. B. S. T.	218.73	446.25		2.78	19.33			22.11	
5-A	718-B	Columbia-Lafayette	Itchtucknee River	Suwannee River	8.60	R. B. S. T.	272.84	706.78	27.08	5.40	24.49			162.08	1,198.67
5-A	719	Suwannee	Blountstown	Scott's Ferry	12.67	S. C. S. T.	282.50	141.25	5,990.84		62.12	24.49		290.15	6,812.42
6	501-B	Calhoun	Scott's Ferry Bridge	Jackson Co. Line		Conc.-Steel			2.55	1,721.46		21.35		1,796.00	
6	501-C	Calhoun	Blountstown	Wewahitchka	14.48	S. C. S. T.	273.62	531.11	1,065.09	7.20	69.84	39.80	15.00	212.58	2,219.24
6	501-D	Gulf	Scott's Ferry	North of Canal	14.01	S. C. S. T.	3,302.77		2,240.32	72.47	62.38	55.83		280.96	6,278.76
6	502	Gulf	Port St. Joe	Wewahitchka	6.94	R. B. S. T.	89.30		85.73		29.30	8.13		66.15	2,064.26
6	560	Gulf	Canal	Top Soil S. T.	17.39	S. C. S. T.	265.57	2,363.31	8,213.93	1,638.05	35.00	44.81		341.48	12,902.15
6	657	Jackson	Calhoun Co. Line	Road No. 1	17.39	S. C. S. T.	136.55	1,880.18	1,353.55	688.40	105.10	40.42		152.33	4,356.53
6	666	Jackson	Marlanna	Godwin's Gin	10.02	S. C. S. T.	85.26	266.62	7,328.08		83.76	13.45		121.72	7,898.89
6	670	Jackson	Godwin's Gin	Ala. State Line	6.79	S. C. S. T.	423.51	849.17	9,757.39	23.12	106.53	19.41		244.26	11,423.34
6	686	Gulf	Government Cannl Bridge		11.63	S. C. S. T.	3.42	15.45	30.94	1,248.29		4.72		1,302.82	
7	34	Escambia	Pensacola	Roberts	10.02	Concrete	164.39	1,448.19	1,732.50	74.52	15.31	7.84		261.20	3,703.95
7	51	Escambia	End of Pavement	Pine Barren Hill	6.28	Concrete	37.43	309.24	1,236.99	8.15	142.78	4.91		85.29	1,824.79
7	881	Escambia	Project No. 51	Ala. State Line	17.36	Concrete	381.11	791.63	1,811.33	1,642.47	22.65	13.59	6.00	408.55	5,077.83
7	882	Escambia	Project No. 34	Project No. 54	8.57	Concrete	71.52	131.84	889.61		30.71	6.71	4.76	118.43	1,253.58
8	523	Okeechobee	Kissimmee	St. Lucie Co. Line	19.76	R. B. S. T.	408.69	1,028.60	178.90	352.30	404.01	23.08		472.74	2,868.32
8	562	Highlands	Lake Annie	Station 422	8.31	R. B. S. T.	308.83	334.35	633.63	422.29	11.40	7.04		191.22	1,908.76
8	562-A	Highlands	Station 35-36	Avon Park	5.28	R. B. S. T.	173.00	209.00	.61			4.12		43.38	
8	562-B	Polk-Highlands	Frostproof	Avon Park	10.85	Sh. Asphalt	319.77	1,130.64	110.29	7.87	24.87	16.26		179.78	1,789.50
8	562-C	Highlands	Avon Park	Sebring	8.75	R. B. S. T.	183.15	688.33	322.43	69.59	24.87	7.74	2.52	145.63	1,170.63
8	562-D	Highlands	Sebring	Line 35-36	9.89	R. B. S. T.	188.49	248.38						241.93	1,081.08
8	582	Okeechobee	Kissimmee River Bridge			Timber-Steel			171.03	867.53				1,038.56	
8	605	Polk	Haines City	Frostproof	26.03	S. A.-R. S. T.	380.70	1,096.76	714.05	5.63	48.38	37.17		435.35	2,718.04
8	629	Highlands	Lake Annie	East	5.86	R. B. S. T.	436.08	183.93	133.16	27.00		4.59		149.08	933.84
8	630	Highlands	Kissimmee River	West	11.23	R. B. S. T.	425.68	172.44	677.14	2,174.36	7.00	12.91		342.09	3,811.62
8	636	St. Lucie	Okeechobee Co. Line	12.8 miles east	12.80	R. B. S. T.	209.72	813.44	384.46	335.26	74.04	26.14		310.83	2,153.89
8	647	Highlands	Project No. 629	Project No. 363	5.82	R. B. S. T.	344.93	253.19	105.91			4.55		118.61	827.19
8	693	St. Lucie	Project No. 629	Ft. Pierce	12.08	R. B. S. T.	495.45	1,148.75	1,392.94	2,232.58	238.05	31.44		329.31	5,868.52
9	574	Madison	Project No. 363	Ga. State Line	12.17	R. B. S. T.	371.55	766.97	116.44	2.14	91.15	22.38	42.04	247.87	1,618.50
10	56	Leon	Madison	Georgia State Line	18.00	Concrete	437.50	2,148.51	13.35		57.71	196.13		178.95	3,074.19
10	582-A	Franklin	Tallahassee	Station 1223 + 11.5	8.45	R. B. S. T.	148.69	913.31	100.29	1,285.50	28.40	19.15		125.14	2,620.48
10	644-A	Wakulla	Gulf Co. Line	Crawfordville	7.26	R. B. S. T.	97.69	1,131.44	42.08	24.16	37.72	20.13		61.87	1,415.09
10	644-B	Wakulla	Wakulla River			Timber		34.10	44.95	4,310.80	82.55			4,472.40	
10	644-C	Wakulla	Wakulla River Bridge	Leon Co. Line	5.06	R. B. S. T.	61.20	1,185.33	21.04		37.72	18.41		50.56	1,374.26
10	645	Wakulla	Crawfordville	Ochlocknee River	3.77	Shell S. T.									
10	645-B	Wakulla-Franklin	Ochlocknee River Bridge		14.55	R. B. S. T.	543.30	1,887.15	3,743.37	125.54	50.00	39.35		304.08	6,692.79
10	646	Franklin	Ochlocknee River	Carrabelle	12.69	S. C. S. T.	278.58	1,155.02	3,859.21		50.00	37.39		236.97	5,617.17
10	651	Gulf	Port St. Joe	Franklin Co. Line	3.13	Shell S. T.	185.44	800.89	239.64	844.02	28.40	25.16		175.52	2,399.07

STATE ROAD DEPARTMENT OF FLORIDA  
Maintenance Cost By Projects—1931—(Cont'd.)

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Engineer- ing	Total
10	678	Bay	East Bay Bridge	West Bay Bridge	9.09	R. B. S. T.	104.30	717.04	125.14		2.77	47.40		161.86	1,158.51
10	680	Bay	East Bay Bridge			Conc.-Steel				69.75					69.75
10	681	Bay	West Bay Bridge			Conc.-Steel	121.57	91.73	22	47.75					261.27
10	685	Franklin	Carrabelle	East Point	18.46	R. B. S. T.	18.09	1,485.33	673.48	137.00	50.00	60.26		89.85	2,514.01
10	685-B	Franklin	Crooked River Bridge			Timber				2,131.15					2,131.15
10	688	Bay	West Bay Bridge	Gulf of Mexico	3.00	Sand Asphalt									
					.05	R. B. S. T.									
					5.81	Graded	75.34	1,104.46	1,010.30	2.95	1.77	10.47		175.37	2,380.66
10	728	Leon	Tallahassee	Wakulla Co. Line	11.64	Concrete	160.27	1,558.00	65.21	35.58	233.90	42.51		146.03	2,201.50
10	740	Gulf	Port St. Joe	Bay Co. Line	9.67	R. B. S. T.	25.95	2,303.67	1,226.10		28.40	35.95	43.66	172.17	3,735.90
10	743	Bay	Gulf Co. Line	East Bay Bridge	18.46	R. B. S. T.	91.29	1,756.78	133.26	1.20	5.61	40.55		362.49	2,391.18
10	766	Bay	West Bay	Ebro	8.74	Graded	33.97	392.62	98.85		.30	9.02		164.64	699.40
10	767	Bay	Gulf of Mexico	West Bay	5.27	Graded	24.84	181.37	7.63		19.50	6.30		82.28	321.92
10	787	Walton-Washington	Freeport	Ebro	16.30	Graded	154.21	870.09	158.75		2.88	12.76		391.66	1,590.35
10	788	Walton	Freeport	Okaloosa Co. Line	17.54	Graded	165.39	2,118.31	230.79		2.88	13.73		421.47	2,952.57
10	802-A	Okaloosa	Walton Co. Line	Niceville	1.75	S. C. S. T.									
					6.01	Graded	140.04	157.08	1,519.94	20.81	11.36	18.62	6.00	265.82	2,139.67
						Timber				196.78					196.78
10	802-B-1	Okaloosa	Rocky Bayou Bridge						1,597.11	13,370.99					14,968.10
10	802-B-2	Okaloosa	Garnier's Bayou Ferry						617.78	4.50	15.25	16.03		46.87	757.54
10	802-C	Okaloosa	Niceville	Camp Walton	10.24	Sand Asphalt	30.60	26.51							
10	832	Santa Rosa	Okaloosa Co. Line	Base Line	4.40	Sand Asphalt									
					11.70	Graded	206.84	700.63	139.72	1.66		19.34	3.66	236.53	1,308.38
10	833	Santa Rosa	Road No. 1	Project No. 832	8.01	Graded	807.22	480.06	6.66	809.40		11.64	3.66	106.41	2,225.05
11	708	Jefferson	Georgia State Line	Monticello	7.98	R. B. S. T.	85.84	1,043.73	158.19	24.41	14.91	6.97		98.27	1,432.32
11	720	Jefferson	Monticello	Capps	9.64	R. B. S. T.	31.95	1,248.52	1,686.74	45.43	28.78	8.27		108.54	3,158.23
12	606	Liberty	Bristol	Gadsden Co. Line	25.00	Graded	242.67	304.59	6,005.46	239.23		19.56		490.87	7,302.38
12	572	Bradford	Stark	Lawley	7.25	R. B. S. T.	161.37	536.60	103.06		19.06	5.27		68.33	894.29
13	594	Bradford	Stark	Alachua Co. Line	9.00	R. B. S. T.	173.23	604.26	837.10		34.32	7.04		75.57	1,731.52
13	607	Bradford	Lawley	Highlands	5.15	R. B. S. T.	178.39	371.14	3,285.82	20.55		10.93	3.63	131.00	4,001.46
13	607-B	Clay	Bradford Co. Line	Maxville	6.73	R. B. S. T.	124.47	548.90	78.16	34.66		9.55		155.59	951.33
13	662	Alachua	Gainesville	Bradford Co. Line	15.86	R. B. S. T.	492.93	55.83	133.19	3.72		20.63		273.52	979.82
13	677-A	Levy	Alachua Co. Line	Bronson	6.85	R. B. S. T.	156.79	51.07	91.37	42.81	21.84	5.36		78.90	448.14
13	677-B	Levy	Bronson	Otter Creek	11.58	R. B. S. T.	144.20	242.30	318.21	58.82		9.06		60.58	833.17
13	677-C	Levy	Otter Creek	Wylly	8.56	Graded									
					1.60	R. B. S. T.	100.45	54.93	308.88	3.30	22.48	7.95		114.67	612.66
13	677-D	Levy	Wylly	Cedar Key	1.70	Graded									
					9.46	R. B. S. T.	449.87	986.89	374.45	932.21	41.36	6.97		159.93	2,951.68
13	701	Duval	Baldwin	Maxwell	7.71	Concrete	271.88	456.82	346.66			7.02	32.70	169.31	1,284.39
13	742	Alachua	Levy Co. Line	Gainesville Dist. Line	7.66	R. B. S. T.	590.30	1,224.14	28.80		71.00	11.97		149.68	2,075.89
13	798	Nassau	Callahan	Yulee	15.30	Graded	208.95	1,705.43	107.06	45.78	22.88	11.97		571.54	2,673.61
13	886	Nassau	Yulee	Fernandina	10.56	Concrete	454.67	920.60	222.27	15.65	20.66	17.94	2.47	264.11	1,918.37
13	887	Nassau	Amelia River Bridge			Steel		42.46	454.38	1,909.65				2,406.49	
14	50-A	Putnam	Palatka	Station 366+00	6.15	R. B. S. T.	463.08	443.00	186.02	22.99	92.17	5.88	1.40	138.48	1,353.02
14	50-B	Putnam	Project No. 50-A	Interlachen	9.78	R. B. S. T.	613.10	727.33	146.31	29.76	123.42	12.85		221.00	1,872.96
14	50-C	Putnam	Interlachen	Alachua Co. Line	10.02	R. B. S. T.	418.43	456.78	57.19	290.06	6.60	8.31		192.11	1,429.50
14	603	Alachua	Gainesville	Putnam Co. Line	16.69	R. B. S. T.	380.22	2,500.73	277.08	135.84	179.11	24.79		364.44	3,862.21
14	55	St. Johns-Putnam	Palatka	Hastings	7.65	Brick-R. S. S. T.	598.77	630.86	523.25	38.97	12.10	6.54		123.82	1,934.31
14	749	Gilchrist	Road No. 19	Trenton	7.78	R. B. S. T.	279.54	404.29	153.86	6.22		6.12		112.80	962.83
14	750	Gilchrist-Alachua	Trenton	Newberry	13.00	R. B. S. T.	333.46	989.78	536.74	19.15		10.15		158.39	2,047.67
14	817	Alachua	Gainesville	Newberry	9.69	R. B. S. T.		39.05				7.58			46.63
14	962	St. Johns	St. Johns Co. Line	Hastings—Rd. No. 4	1.75	Brick									
					11.75	Graded	250.31	702.48	13.77	103.22	2.27	28.44		241.72	1,342.21
15	555	Hernando	Brooksville	Aripeka	22.50	R. B. S. T.	682.17	4,392.70	2,920.66	337.37	.56	15.94		259.73	8,609.13
15	729	Pinellas	St. Petersburg	Clearwater	6.46	A. Block									
					3.90	Brick	527.95	895.27	362.46	127.41	46.07	82.52		324.46	2,366.14
15	730	Pinellas	Clearwater	Tarpon Springs	4.00	Brick									
					7.53	A. Block	194.11	1,188.79	562.55	2.33	25.24	58.76		370.92	2,402.70
15	795-A	Pasco	Hernando Co. Line	South	5.21	R. B. S. T.	81.59	97.95	475.92	61.49		4.31		63.35	784.61
15	795-C	Pasco	Hudson	Pinellas Co. Line	12.71	R. B. S. T.	214.68	1,207.03	422.51	2.34		13.08		347.36	2,207.00
16	963	Marion	Ocala	Road No. 5	19.35	R. B. S. T.	368.91	198.66	90.44	3.50	21.04	15.65		175.54	873.74
17	64-A	Hillsborough	Plant City	Project No. 64-C	9.61	Concrete	557.05	3,308.94	245.27	66.48	28.72	77.05		394.02	4,677.53
17	64-C	Hillsborough	Project No. 64-A	Tampa	9.61	Concrete	1,134.88	3,814.05	467.52	21.10	12.49	209.94	65.10	302.98	6,028.06
17	73-A	Polk	Auburndale	West	3.67	Sheet Asphalt	436.81	1,349.94	475.41		17.99	5.99	8.45	79.64	2,374.23
17	73-C	Polk	Lakeland	East	5.28	Concrete	208.20	151.64	69.01		14.43	15.35	73.86	17.16	549.65
17	73-D	Polk	Auburndale	Haines City	9.29	Concrete	976.93	959.48	241.98		37.03	9.57	96.17	65.39	2,386.55

**STATE ROAD DEPARTMENT OF FLORIDA**  
**Maintenance Cost By Projects—1931—(Cont'd.)**

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Engineer- ing	Total
17	675	Polk	Lakeland	Hillsborough Co. Line	5.16	Sheet Asphalt	375.09	584.01	18.00		12.50	4.90		82.43	1,076.93
17	731	Pinellas	Clearwater	Hillsborough Co. Line	3.35	Brick									
18	5 & Ext.	DeSoto	Arcadia	East	8.30	A. Block	529.56	924.02	420.37	1,252.23	56.53	47.10		352.63	3,583.44
18	16	DeSoto	Project No. 4	Project No. 5	2.54	Conc.-R. S. S. T	142.87	262.66	223.45	1,837.15	1.42	6.22		271.81	2,745.58
18	655	Highlands	Lake Annie	West	5.41	Brick-R. S. S. T	30.25	34.82	62.28	23.55		.49		4.24	155.63
18	667	DeSoto	Dorr Field	Highlands Co. Line	13.79	R. B. S. T.	350.88	691.07	178.79	41.87	136.03	11.54		419.79	1,829.97
18	1010	Sarasota	Sarasota	Manatee Co. Line	8.30	R. B. S. T.	160.14	64.88	138.91	3.00	53.39	6.50		115.91	536.73
19	577	Taylor	Salem	Steinhatchee River	15.75	R. B. S. T.									
19	580	Dixie	Steinhatchee River	Cross City	2.00	Sheet Asphalt	489.28	2.46	64.39	129.09	4.68	13.89		187.04	890.83
19	676-A	Levy	Suwannee River	Chiefland	9.71	R. B. S. T.	253.26	691.75	56.00	317.95		15.22		238.46	1,572.64
19	676-B	Levy	Bronson	Chiefland	18.30	R. B. S. T.	672.15	2,242.29	102.47	83.96		14.25		433.92	3,549.04
19	676-C	Levy	Bronson	Marion Co. Line	9.95	R. B. S. T.	248.18	451.13		6.20		7.79		105.93	819.23
19	698	Leon	Tallahassee	Jefferson Co. Line	14.38	R. B. S. T.	427.27	1,936.42	165.08	52.30	100.16	10.49		238.57	2,930.29
19	699	Jefferson	Leon Co. Line	Wakulla	15.04	R. B. S. T.	438.90	1,413.07	468.89		48.57	11.74		286.76	2,667.93
19	700	Jefferson	Waukeenah	Madison Co. Line	12.36	Concrete	192.96	2,091.47	5.05	2.50	127.02	24.12		144.32	2,587.44
19	700-B	Jefferson	Aucilla River Bridge	Madison Co. Line	7.43	Graded	78.87	401.76	2,600.22		37.72	20.26		91.72	3,230.55
19	723	Leon	Tallahassee	Range 23 West	9.27	Graded	99.15	463.50	2,444.96	53.68		11.38	2.50	134.06	3,209.23
19	724	Leon	Range 23 West	Ochlocknee River		Conc.-Steel		18.28		18.28	56.70	23.35		140.36	2,108.39
19	726	Dixie	Suwannee River	Cross City	11.37	S. C. S. T.	149.22	1,425.35	230.42	82.99	57.42	22.73		129.80	2,431.74
19	726-B	Dixie-Levy	Suwannee River Bridge	Cross City	10.58	S. C. S. T.	101.16	1,874.19	91.09	155.35		9.85		287.91	2,213.08
19	744	Madison	Taylor Co. Line	Aucilla River	11.56	R. B. S. T.	367.56	1,432.64	93.01	483.39		504.00			987.39
19	745	Taylor	Madison Co. Line	Perry	4.79	Graded								68.27	1,802.18
19	756	Marion	Levy Co. Line	Ocala	1.00	R. B. S. T.	54.99	400.82	1,198.15	70.16		9.79		214.43	2,023.19
19	779	Liberty	Ochlocknee River	Hosford	15.93	R. B. S. T.	162.05	942.41	561.43	113.60	17.04	15.48		429.14	4,787.48
19	845	Taylor	Salem	Athena	19.76	R. B. S. T.	2,186.25	2,091.10	48.47	70.51		6.26		121.99	1,215.71
19	846	Taylor	Athena	Perry	8.00	Graded	63.79	248.70	704.46	2.40		6.71		130.34	1,652.05
19	964	Marion	Ocala	Lake Co. Line	10.22	Graded	189.44	1,313.16		35.28	24.36	8.03		189.22	1,452.46
19	964-B	Marion	Ocklawaha River at Deeks	Bluff	6.91	Graded	186.43	1,033.50	303.63		24.36	25.04		382.63	1,657.10
19	965	Lake	Ashton	Marion Co. Line	31.00	R. B. S. T.	692.44	229.00	1.74	514.70		3.68		12.77	516.44
20	500-A	Bay	Panama City	Bayou George	4.70	R. B. S. T.	104.24	44.40			3.50	3.68		197.66	3,328.48
20	500-B	Bay	Bayou George	Nixon	12.13	Concrete	235.43	1,516.19	1,201.29	22.21	93.64	47.40	14.66	84.95	1,965.66
20	500-C	Bay	Nixon	Jackson County Line	12.33	R. B. S. T.	59.69	1,700.03	382.25		61.64	57.26		96.38	753.66
20	515	Jackson	Bay Co. Line	Cottontdale	12.21	Graded	109.63	444.00			89.19	18.66	1.80		
20	671	Jackson	Godwin's Gin	Cottontdale	12.75	S. C. S. T.	369.07	3,108.04	7,638.59	256.96	89.31	29.54		297.97	11,789.48
21	1020	Lake	Crow's Bluff	Eustis	3.54	R. B. S. T.	43.19	534.86	4,068.09	36.72	51.85	10.25		79.49	4,824.45
22	770	Brevard	Indian River City	Orange Co. Line	4.19	S. C. S. T.	410.38	465.42				22.31		66.91	965.02
22	848	Citrus	Floral City	Withlacoochee River	23.50	R. B. S. T.	483.37	155.36	456.88	55.90	16.71	28.77		126.38	1,323.37
22	948	Orange	Orlando	Lake County Line	3.50	Graded								26.96	705.67
22	949	Orange	Orlando	Brevard County Line	1.00	R. B. S. T.	37.55	85.66	546.62	1.80		7.04	11.70	328.43	2,178.23
22	966	Citrus	Crystal River	Inverness	16.50	Brick	270.36	257.82	1,090.61	146.54	14.43	58.34		588.85	2,242.45
22	967	Lake	Sumter Co. Line	Orange Co. Line	1.56	R. B. S. T.				150.84	14.43	128.49		127.53	1,582.64
22	968	Sumter	Citrus Co. Line	Lake County Line	25.00	A. Concrete	496.11	541.93	321.80	2.74	4.13	29.06		320.12	3,380.05
23	537	Marion	Bellevue	Sumter Co. Line	17.80	Concrete	801.10	1,799.40	430.37			22.12		281.62	4,004.53
23	810	Sumter	Marion Co. Line	Hernando Co. Line	18.10	Concrete	463.92	2,303.32	627.38	306.17		5.48		50.33	915.47
23	840	Pasco	Dade Co. Line	Hillsborough Co. Line	18.90	R. B. S. T.	257.27	377.72	224.67	99.71	58.35	55.32		752.77	4,172.58
23	943	Hillsborough	Plant City	Seffner	38.33	R. B. S. T.	672.16	1,469.25	1,065.02			19.07		296.78	3,811.37
23	944	Hillsborough	Seffner	Tampa	14.59	R. B. S. T.	277.61	2,730.47	487.44			82.72		71.30	531.57
23	945	Hernando	Sumter Co. Line	Pasco County Line	8.49	Brick	325.99	26.47	25.09	11.33	3.59	85.85	11.79	143.40	1,343.08
23	946	Pasco	Hernando Co. Line	Dade City	7.99	R. B. S. T.	138.27	1,523.88	74.71	152.08		12.88		129.25	2,031.07
23	969	Sumter	Bushnell	Hernando Co. Line	10.49	R. B. S. T.	81.14	1,500.70	152.30			14.56		132.73	1,881.43
23	970	Hillsborough	Plant City	Pasco County Line	6.00	R. B. S. T.	110.35	1,157.83	240.45	55.69		12.03		74.56	1,650.91
23	971	Hillsborough	Oak Park	Manatee Co. Line	5.30	A. Block	532.69	24.19				13.49		24.51	594.88
23	972	Manatee	Hillsborough Co. Line	Palmetto	5.00	Brick			1,121.04	143.97	101.49	83.14	14.98	731.03	4,831.05
24	64-A	Osceola	Kissimmee	St. Cloud	27.10	A. Block	1,150.23	1,485.17	57.59	9.50	2.12	7.36		194.51	1,196.84
24	62-C	Osceola	St. Cloud	Holopaw	9.40	Concrete	805.31	101.21	113.56	37.29	32.70	29.17		185.40	1,522.70
24	62-B	Osceola	Holopaw	Deer Park	12.24	Graded	501.80	620.88	8.61	202.35	36.26	34.07		231.68	3,887.95
					12.09	R. B. S. T.	202.13	3,159.39		3.31	33.16	23.09	10.86	107.53	1,897.27
					12.66	R. B. S. T.	385.90	886.27	447.15						

STATE ROAD DEPARTMENT OF FLORIDA  
Maintenance Cost By Projects—1931—(Cont'd.)

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Engineer- ing	Total
24	534	Brevard	Melbourne	1 Mile N. Osceola Co.	15.79	R. B. S. T.	438.42	584.03	260.23	1,962.42	164.87	21.71		443.69	3,865.37
24	920	Osceola	Kissimmee	St. Cloud	7.50	R. B. S. T.		6.48	93.23	17.29		5.87		42.75	166.31
25	805	Hendry	LaBelle	Lee County Line	3.20	Graded									
					7.80	Marl		7.84	123.61			7.37		22.03	160.85
25	806-A	Hendry	Palm Beach Co. Line	Station 580+80	11.00	R. B. S. T.	490.49	160.84	471.26	119.18	1.90	29.24	1.44	208.01	1,482.36
25	806-C	Hendry	Project 806-A	Project 806-D	11.00	R. B. S. T.	46.12	61.74	67.30			4.78		21.53	201.47
25	806-D	Hendry	Project 806	LaBelle	12.69	R. B. S. T.	151.32	659.58	89.30			9.93		46.43	927.56
25	807-A	Palm Beach	Belle Glade	Lake Harbor	10.82	R. B. S. T.	801.18	160.91	1,328.43	407.72	123.82	25.76		289.51	3,137.33
25	807-B1	Palm Beach	Miami Canal Bridge			Steel-Concrete			1,565.06		25.62				1,590.68
25	807-B2	Palm Beach	No. New Riv. Canal Br.			Steel-Concrete			62.54						1,747.66
25	807-C	Palm Beach	Hillsborough Canal Bridge	Hendry County Line	6.11	R. B. S. T.	436.21	125.49	1,247.49	374.11	89.16	14.00		171.68	2,458.14
25	870-B	Palm Beach	Twenty-Mile Bend	Belle Glade	19.18	R. B. S. T.	741.45	169.53	1,098.42	952.34	31.30				983.64
25	891	Palm Beach	Palm Beach Canal Bridge			Steel-Concrete			237.91	123.16	39.18	2.00		518.19	2,929.74
25	891-B-1	Palm Beach	Hillsborough Canal Bridge			Steel-Concrete			888.73	10.39					899.12
25	891-B-2	Palm Beach	Military Trail	Twenty Mile Bend	17.15	R. B. S. T.	355.35	551.62	1,048.16	863.50	5.65				869.15
25	921	Palm Beach	Ft. Lauderdale	Davis Road	3.50	R. B. S. T.	62.37	8.68	17.32	2,868.21	13.85	24.10		496.54	5,353.87
26	973	Broward	Miami		9.00	R. B. S. T.				12.28		2.74		40.94	144.32
26-A	954	Dade			6.82	Graded									
			Station 285	Station 825	10.31	R. B. S. T.	1,159.65	83.56	1,488.36	492.66		20.97	4.50	246.07	3,082.00
27	669-B	Dade	Project 669-B Sta. 825	Station 1165	12.21	R. B. S. T.	984.46	51.48	269.88	1,484.91		77.64		272.22	3,347.86
27	669-D	Dade	Project 669-C Sta. 146	Dade County Line	12.25	R. B. S. T.	809.92	244.75	290.79		30.00	54.73		329.23	1,766.98
27	669-E	Dade	Collier County Line	Section Line 21-22	4.26	R. B. S. T.	533.52	164.21	50.39	107.57	6.00	40.57	8.24	320.63	1,762.60
27	669-V	Collier	Dade County Line	Carnestown	32.24	R. B. S. T.	2,210.25	174.32	527.48	1,482.42		54.92		84.51	955.12
27	669-W	Collier	Carnestown	Palm Hammock	15.96	R. B. S. T.	823.51	220.01	1,275.25	1,765.58	38.85	69.74		822.34	5,325.40
27	669-X	Collier	Palm Hammock	Marco Junction	9.44	R. B. S. T.	284.16	23.06	319.43	4,445.95	170.83	31.97		258.95	4,483.10
27	669-Y	Collier	Naples	Lee County Line	13.10	R. B. S. T.	484.26	236.97	361.65	578.85	41.66	15.05		236.53	5,366.28
27	669-Z	Collier	Marco Junction	Naples	5.94	R. B. S. T.	464.38	276.16	432.15	158.46	13.74	27.60	4.00	3,604.56	
27	847	Lee	Fort Myers	Bonita Springs	21.18	Bit. Macadam	760.40	723.71	1,781.34	2,072.90	5.10	119.78		614.51	6,173.92
27-A	894	Monroe	Dade County Line	Collier Co. Line	16.58	Local Rock	25.33	287.85	464.43	599.01	45.98	172.02		306.78	1,777.24
27-A	895	Collier	Monroe County Line	Road No. 27	4.17	R. B. S. T.	61.31		105.55			8.30		25.78	200.94
28	72-C	Flagler	Bunnell	Project 72-A	11.79	Graded	37.49	205.74		16.71		9.82		18.72	288.48
28	706-A	Putnam-Clay	Key Stone Heights	Florahome	11.95	R. B. S. T.	214.54	1,002.34	21.08			20.45		117.50	1,375.91
28	706-B	Putnam	Florahome	Palatka	15.80	Graded	345.51	433.71	224.17	28.23	65.97	12.27		214.69	1,324.55
28	713	Columbia	Mt. Corrie	Lulu	10.00	R. B. S. T.	224.13	1,229.35	4.80			1.54		74.47	1,542.00
28	714	Union	Lake Butler	Columbia Co. Line	10.20	R. B. S. T.	289.58	1,769.36				8.83		124.50	2,204.58
28	715	Union	Lake Butler	Bradford Co. Line	4.95	R. B. S. T.	97.98	658.59				31.48		42.04	838.01
28	716	Bradford	Starke	Union County Line	11.16	R. B. S. T.	561.43	1,316.86	36.98			13.50		129.14	2,078.99
28	717	Bradford	Starke	Clay County Line	9.86	R. B. S. T.	298.69	865.50	104.98			18.83		131.75	1,438.24
29	780	Okeechobee	Okeechobee	11 Miles North	10.96	R. B. S. T.	295.58	825.67	61.27	.74		47.77		220.68	1,451.71
29	781	Okeechobee	Project 780	11 Miles North	9.13	R. B. S. T.									
					1.87	Graded	103.24	1,400.12	1.65	8.25	7.65	14.93		188.94	1,724.78
29	782	Okeechobee	Project 781	Osceola Co. Line	6.61	Graded	217.96	1,017.79	1.65	.74		23.73		152.71	1,414.58
29	869	Glades	Kissimmee River	Indian Prairie Canal	9.00	Graded		646.78		4.72					651.50
29	926	Okeechobee	Project 780	End of Parrot Ave.	3.18	R. B. S. T.	428.48	314.96	301.70	23.90		3.62		80.71	1,153.37
29	974-A	Osceola	Kenansville	Holopaw	17.40	R. B. S. T.	241.45	1,719.19	834.31	171.72	78.38	33.30		338.23	3,466.53
29	975	Okeechobee	End of Parrot Avenue	Kissimmee River	7.00	R. B. S. T.	240.96	168.57	117.05	182.35		6.61		107.97	823.46
29	1018	Orange	Orlando	Osceola Co. Line	16.10	R. B. S. T.	156.08	27.89	19.00	17.47		27.60	1.80	71.84	321.63
29	1019	Osceola	Orange County Line	Ashton	4.00	R. B. S. T.									
					3.30	A. Concrete	307.36	22.08	422.29	425.70		13.82		59.16	1,250.41
29	1021	Glades	Indian Prairie Canal	Wise's Corner	10.00	Marl									
					12.00	Graded									
30	892	Indian River	Canal	Osceola Co. Line	14.16	R. B. S. T.	1,048.04	78.10	309.04	530.44		34.44		166.46	2,166.62
					6.24	M. I. P.	80.97	221.97	310.67			17.06		39.71	670.38
30	893	Osceola	Indian County Line	Kissimmee	20.20	M. I. P.		305.02	387.40	.85		15.81		61.34	770.42
30	893-B	Osceola	Kissimmee River Bridge			Timber-Steel				623.35					623.35
30	951	Indian River	Vero Beach	Dyke	2.50	M. I. P.									
					5.00	R. B. S. T.	37.24	186.88	105.15	545.48		24.50	6.48	75.16	980.89
31	773	Marion	Alachua County Line	Ocala	16.53	R. B. S. T.	511.59	405.17	211.49			34.22	14.52	304.00	1,480.99
31	861	Alachua	Waldo	Marion Co. Line	26.16	R. B. S. T.	2,003.27	146.85	95.19			156.20	40.43	511.29	2,953.23
32	976	Manatee	Hardee County Line	Farrish	25.00	R. B. S. T.	299.20	648.90	171.52			2.12	39.08	465.34	1,575.15
32	977	Hardee	Highlands Co. Line	Manatee Co. Line	29.40	R. B. S. T.	1,119.37	1,204.57	277.81	9.50		26.13		128.53	2,932.44
32	978	Highlands	Avon Park	Hardee Co. Line	3.10	R. B. S. T.	196.43	85.14	68.79	77.55		27.73	4.84	73.04	533.54
33	649	Okaloosa	Crestview	North	11.39	S. C. S. T.	52.80	771.02	367.31	2.58	11.36	15.39	2.20	307.29	1,830.87
33	652	Okaloosa	Project 649	Walton Co. Line	9.37	S. C. S. T.	27.25	57.76	133.80	45.08		18.25	2.20	91.29	375.63

# STATE ROAD DEPARTMENT OF FLORIDA Maintenance Cost By Projects—1931—(Cont'd.)

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Engineer- ing	Total
33	733	Walton	Project 650	Alabama State Line	4.24	S. C. S. T.	32.10	94.33	195.55	36.93	11.36	12.27	2.20	99.99	484.73
35	623	Madison	Greensboro	Taylor County Line	12.13	R. B. S. T.	2.90	212.69	452.91	9.59	9.42	9.49		177.53	874.53
35	747	Jefferson	Georgia State Line	Aucilla River	6.48	Graded	133.20	279.75	561.28	16.51		5.07		168.05	1,163.86
35	748	Madison	Aucilla River	Greenville	6.23	Graded	83.15	887.84	665.31	2.14	3.65	4.88		161.54	1,788.51
36	979	Sumter	Lake County Line	Citrus	18.00	R. B. S. T.	143.76	1,232.65	532.37			20.40		199.78	2,098.96
36	980	Lake	Sumter County Line	Leesburg	4.00	A. Concrete	171.28	223.88			3.50	3.13		33.37	435.16
37	837	Santa Rosa	End of Pavement	10.45 Miles North	10.45	Graded	235.72	1,128.68	1,386.63	32.76	66.82	13.75	3.66	33.37	3,154.98
37	838	Santa Rosa	Project 837	Alabama State Line	10.01	Graded	109.26	325.40	808.78	1.66	4.65	9.20	3.66	252.88	1,515.49
38	981	Marion	Weirsdale	Lake County Line	12.54	R. B. S. T.	468.66	493.06	1,242.88		46.24	8.30		106.25	2,365.39
38	981-B	Marion	Oklawaha River Bridge at	Stark's Ferry		Steel				531.49				531.49	
38	982	Lake	Marion County Line	Umatilla	4.80	R. B. S. T.	172.40	66.31	2,973.71	479.33	101.92	23.13		27.69	27.66
39	709	Holmes	Alabama State Line	South	9.08	Graded	208.67	43.34	5,815.63	231.77	86.33	20.52		295.13	4,125.23
39	736	Holmes	Project 709	Washington Co. Line	8.62	Graded	307.03	90.72	1,044.66	191.07		29.97		123.00	6,675.00
40	734	Walton	DeFuniak Springs	North	7.89	S. C. S. T.	37.95	506.65	1,044.66	144.03		22.83		406.33	2,216.66
40	735	Walton	Project 734	Alabama State Line	13.71	S. C. S. T.	250.34	1,086.34	1,260.89			22.83		299.46	3,063.99
40	751	Walton	De Funiak Springs	South	7.28	S. C.	123.63	781.63	1,362.91			22.01		176.90	2,484.20
40	752	Walton	Freeport	North	8.72	S. C.	85.21	1,596.50	1,777.65			22.01		198.40	3,702.29
41	823	Okaloosa	Milligan via Baker	Hilton Smith	4.50	S. C. S. T.	81.50	1,193.03	2,538.34	55.98	11.36	13.66	2.20	205.90	4,101.97
41	824	Okaloosa	Hilton's Switch	Alabama State Line	4.68	Graded	226.40	663.00	1,593.56	157.00	11.36	17.65	2.20	269.34	2,930.51
42	738	Jefferson	Rd. No. 1 near Monticello	Lamont	2.00	Graded	63.05	109.78	117.15			2.29		10.19	311.88
43	722	Jefferson	Miccosukee	Lloyd	3.18	Graded								112.50	2,432.82
44	955	Seminole	Lloyd Sanford	Wacissa	5.31	S. C. S. T.	79.70	866.11	1,315.68		37.72	21.11		170.30	5,204.09
44	955	Seminole	Sanford	St. Johns River	8.95	Graded	101.96	1,317.68	3,488.06	66.99	37.72	21.38			
44	955	Seminole	Sanford	St. Johns River	6.10	Sheet Asphalt									
44	955	Seminole	Sanford	St. Johns River	3.70	Brick									
44	955	Seminole	Sanford	St. Johns River	8.65	R. B. S. T.	496.00	686.08	1,123.05	1,373.56	13.18	33.12		336.04	4,061.03
44	955-B	Seminole	Geneva Fill Bridge	Brevard County Line	6.40	Timber-Steel	172.14	436.32	261.34	654.34	32.95	12.60		76.72	1,646.41
44	956	Volusia	St. Johns River			Timber				93.60				93.60	
44	956-B	Seminole-Volusia	St. Johns Riv. Br. & Ferry	Road No. 4	8.00	R. B. S. T.	380.23	37.45	68.11	5.34		10.86		68.47	570.46
44	957	Brevard	Volusia Co. Line	Tacol	10.52	R. B. S. T.	75.57	720.93	536.44	212.42	9.72	17.19		134.69	1,705.95
47	727	St. Johns	Spurs	Orangedale	11.56	Graded	130.74	1,531.83	75.24	65.35	9.92	9.05		289.16	2,111.29
47	785	St. Johns	Jullington Creek	Piccolato	10.64	Graded	96.91	690.47	37.46	63.57	4.02	8.33		256.32	1,157.08
47	813	St. Johns	Orangedale	Tacol	6.39	Graded	50.14	145.52				4.19		75.34	278.26
47	814	St. Johns	Piccolato	Tacol	12.30	R. B. S. T.	430.12	139.71	42.66		22.89	9.62		98.72	793.72
47-A	983	Marion	Citra	Orange Springs	19.05	R. B. S. T.	559.77	2,641.49	406.12	1,231.42	166.00	96.88		476.46	5,578.14
48	922	St. Johns	St. Augustine	St. Johns River	16.67	R. B. S. T.	563.06	1,439.94	532.16	126.83	25.50	23.62		350.12	3,061.23
48	923	Clay	St. Johns River	Project 924	9.91	R. B. S. T.	197.15	560.17	76.97	2.75	272.73	33.35		110.17	1,243.29
48	924	Clay	Bradford Co. Line	10 Miles East	3.07	R. B. S. T.	72.40	1,200.50	502.86	735.55		2.36		21.90	2,535.57
48	925	Bradford	Starke	Clay County Line	16.20	R. B. S. T.	539.66	2,114.42	1.25		8.83	57.32		211.13	2,932.61
49	883	Union	Ralford	Alachua Co. Line	6.4	R. B. S. T.	119.09	541.45	9.15		11.02	17.32		131.09	829.62
50	624	Hamilton	Jasper	Suwannee Springs	12.22	R. B. S. T.	110.04	834.89	23.61		5.05	9.56		236.53	1,219.68
50	763	Suwannee	Branford	McAlpine	11.97	R. B. S. T.	178.27	1,306.02	12.14	4.60	11.07	9.37		252.02	1,171.49
50	764	Suwannee	McAlpine	Live Oak	6.91	R. B. S. T.	170.43	655.65	30.75	6.44		8.86		122.18	934.31
50	765	Suwannee	Live Oak	Suwannee River		Steel				32.91				32.91	
50	765-B	Suwannee-Ham.	Suwannee River Bridge	Shoal River	13.89	S. C. S. T.	44.15	281.62	1,266.90		197.21	17.35	2.20	159.87	1,929.30
54	815	Okaloosa	Crestview South	Valpariso	4.21	S. C. S. T.	44.91	660.99	609.62	213.32	24.10	9.77	2.20	113.17	1,678.08
54	819	Walton	Aster Bridge	Rd. No. 2 S. Groveland	62.50	R. B. S. T.	1,840.58	3,025.59	790.34		39.42	98.70		1,481.66	7,489.16
55	984	Lake	St. Johns River Bridge			Timber-Steel				841.00				841.00	
56	883	Columbia	Oultee Creek	Road No. 2	1.51	R. B. S. T.	389.21				8.83	5.51		12.46	416.01
56	889	Union	Lake Butler	Oultee Creek	13.92	R. B. S. T.	378.03	1,196.98			8.85	15.24		144.14	1,743.24
60	854	Walton	DeFuniak Springs	Glendale	9.81	S. C.	51.51	1,114.76	3,908.21	35.97		21.59		251.32	5,380.97
60	855	Walton	Glendale	Alabama State Line	10.80	A. Block	62.61	931.41	2,128.21	28.37				255.89	3,428.08
64	890	Pinellas	Largo	Gandy Bridge	1.40	Brick	334.58	1,030.94	454.72	39.60	76.27	16.00		372.70	2,324.81
67	804	Glades	Highlands Co. Line	Mains Corner	18.69	R. B. S. T.	195.37	3,765.25	100.10	13.40		15.88		445.32	4,535.97
67	818	Glades	Main's Corner	Clewiston	18.52	Marl	531.57	213.50	6,403.29	358.31	7.65	33.53		443.25	7,991.10
67	818-B	Glades	Caloosahatchee Canal Br.			Steel-Timber			1.50	866.41				867.91	
67	910	Highlands	Lake Annie	Glades County Line	16.2	R. B. S. T.	156.79	2,950.54	237.65	157.88	36.46	15.85	2.21	350.10	3,907.48
68	911	Bradford	Hampton	Brooks-Starke Road	3.45	R. B. S. T.	35.63	148.85	133.64			2.70		17.87	338.69
73	985	Pinellas	Moncrief	Dellwood	5.75	R. B. S. T.	316.71	115.85	70.02		46.27	4.50		68.00	621.35
75	1011	Volusia	New Smyrna	DeLand	11.00	Concrete									
75	1011	Volusia	New Smyrna	DeLand	2.60	Brick									
75	1011	Volusia	New Smyrna	DeLand	9.00	R. B. S. T.	1,229.64	102.32	452.32	253.39	30.63	43.57	126.40	164.16	2,409.43

**STATE ROAD DEPARTMENT OF FLORIDA**  
**Maintenance Cost By Projects—1931—(Concluded)**

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Engineer- ing	Total
77	986	Levy	Chiefland	Sumner	19.40	R. B. S. T.	734.71	129.43	173.49		22.48	14.09		195.75	1,269.95
78	876-A	St. Johns-Duval	Jacksonville Beach	Project 876-C	9.70	R. B. S. T.	285.07	1,519.58			22.27	7.59		138.37	1,952.88
78	876-C	St. Johns	Project 876-A	St. Augustine	19.20	R. B. S. T.	178.48	1,690.36			2.27	15.03		273.92	2,160.06
81	987	Marion	Dunnellon	Levy County Line	5.28	R. B. S. T.	96.91	316.06	29.46	2.78	4.13	7.82		56.74	513.90
85	912	Okeechobee	Okeechobee	Martin County Line	6.32	R. B. S. T.									
					4.24	Graded	217.16	345.82	110.47	213.89	18.05	6.10		116.82	1,028.31
85	913	Martin	Okeechobee Co. Line	Indiantown	11.30	R. B. S. T.									
					21.20	R. B. S. T.	704.60	131.46	308.95	964.31	14.20	18.51		109.31	528.45
85	988	Martin	Stuart	Indiantown	11.30	Graded	64.57	234.46	87.10					469.27	2,599.48
86	989	Charlotte	Punta Gorda	DeSoto County Line	10.00	R. B. S. T.	830.06	264.05	564.35	1,087.72	3.06	7.82		228.52	2,985.58
86	990	DeSoto	Charlotte Co. Line	Arcadia	12.80	Bit. Macadam	833.75	736.94	979.17	981.60	40.28	10.02		296.37	3,878.13
96	820	Jefferson	Monticello	Waukeenah	9.45	Graded	54.90	930.78	689.05	59.10		21.58	3.50	65.78	1,824.69
96	821	Jefferson	Overhead Crossing	Waukeenah	5.19	Timber			364.32					364.32	
99	991	Alachua	Worthington Springs	Rd. 2 No. of Gainesville	16.10	Graded	28.66	951.26	1,575.52	59.59		7.64	1.50	75.06	2,699.23
100	992	Marion	Intersection Road No. 38	Lake County Line	7.22	R. B. S. T.	311.49	55.64	87.99		156.20	40.43		511.29	2,953.23
100	993	Lake	Marion County Line	Altosna	7.00	R. B. S. T.	261.81	60.78	24.63			5.48		23.32	376.02
109	994	Martin	Indiantown	Port Myacca	10.40	Graded	21.40	13.11			3.50	7.8		1.20	39.99
111	995	Martin	Stuart	Okeechobee	24.20	Graded	488.83	218.53	1,231.42	1,282.27	48.07	8.14		219.64	3,496.90
					6.00	R. B. S. T.	274.77	51.81	80.33	614.12		24.29	1.53	575.81	1,622.66
111	995-B	Martin	St. Lucie River Bridge	Timber-Steel	1.90					965.61	56.27				1,023.78
115	840	Walton	Bay County Line	S. Point Washington	10.45	Graded	3.87	703.11	29.28			20.26		122.23	878.75
115	841	Walton	Point Washington	Horse Shoe Bayou	6.44	Graded	3.87	810.16	31.17			17.12		148.08	1,010.40
115	842	Walton	Horse Shoe Bayou	Okaloosa County Line	10.15	Graded	3.00	1,004.94	16.20			10.18		137.71	1,172.03
119	1012	Volusia	Titusville	Road No. 22	4.95	R. B. S. T.	404.11	94.05	24.72		18.42	6.17		45.28	592.75
123	786	Jackson	Graceville	Campellton	6.77	S. C. S. T.	119.22	1,558.07	5,864.07		49.84	11.94		133.49	7,736.63
140	915	Flagler	St. Johns Co. Line	Volusia Co. Line	16.80	R. B. S. T.	355.61	336.54	524.69		27.47	13.70		378.20	1,636.31
140	915	Palm Beach	Delray	Palm Beach	13.27	R. B. S. T.	238.66	1,020.77	357.82	198.75	91.57	12.37		327.76	2,335.33
140	996	Volusia	Flagler County Line	Daytona Beach	15.10	Sheet Asphalt	413.14	440.57	46.35		27.48	12.37		238.58	1,178.49
140	997	Brevard	Sharps	Bonaventure	8.10	R. B. S. T.	331.15	54.73	80.82	2.20	14.31	9.34		122.59	615.14
140	998	Indian River	Vero	St. Lucie Co. Line	4.50	R. B. S. T.	342.35	273.37	109.66		52.22	10.65		112.38	908.28
140	999	St. Lucie	Martin County Line	Indian River Co. Line	20.50	R. B. S. T.	473.75	91.65	152.03	488.20	10.65	27.26		330.28	1,573.82
140	1000	Palm B.-Martin	St. Lucie Co. Line	Intersection Rd. No. 4	28.30	R. B. S. T.	806.84	184.02	245.25	231.95	7.10	24.84		442.08	1,942.08
140	1000-B-1	Martin	East Coast Canal Bridge at	Hobe Sound		Concrete-Steel	2.62	8.63		411.04	14.20				436.49
140	1000-B-2	Martin	East Coast Canal Bridge at	Jupiter Narrows		Concrete-Steel		1.57		1,495.66					1,497.23
140	1001	Palm Beach	Delray	Broward Co. Line	9.00	R. B. S. T.	23.49	63.72	244.51	219.66	21.30	20.01		111.75	704.44
140	1001-B	Palm Beach	Boca Raton Inlet Bridge	Timber						6.56					6.56
140	1002	Broward	Palm Beach Co. Line	Dade County Line	14.90	R. B. S. T.	36.91	8.68	170.84			17.61		143.12	377.16
140	1002-B	Broward	Hillsborough Inlet Bridge	Steel-Concrete			56.47	6.42	32.49	1,403.52	21.56	2.20		917.86	
140	1003	Dade	Broward Co. Line	Miami Beach	7.10	R. B. S. T.	68.11	9.19	442.75			2.20		153.83	706.05
140	1026	St. Johns	St. Augustine	Matanzas Inlet	19.72	R. B. S. T.	82.81	76.81			2.38	9.38	5.00	68.42	239.80
142	953	Glades	Main's Corner	Labelle	19.33	Marl	173.59	424.94	2,294.80	1,425.06	1.10	27.91		549.45	4,896.85
143	870	Palm Beach	Belle Glade	Pahokee	14.38	R. B. S. T.	731.26	140.05	3,226.71	665.73	330.55	75.20	9.56	313.72	5,492.78
149	916	Broward	Deerfield	Dade County Line	29.82	R. B. S. T.	641.64	388.02	175.00	449.94	6.00	33.56		837.91	2,532.07
149	916-B-1	Broward	South New River Canal	Bridge		Steel				717.06					717.06
149	916-B-2	Broward	North New River Canal	Bridge		Steel				769.72					769.72
149	917	Dade	Brevard County Line	Miami	5.85	R. B. S. T.	215.02	101.09	184.17	59.34	53.00	8.58		144.30	765.50
162	1004	St. Lucie	Ft. Pierce	Everglades	9.00	R. B. S. T.	355.17	406.37	83.74	398.99	13.00	7.65		181.63	1,446.56
164	950	Collier	Carnestown	Labelle	2.81	Graded	57.43	350.28	1,172.32	30.46	4.00	5.48		95.59	1,715.55
164	1022	Hendry	Labelle	Collier County Line	22.50	Marl	77.02	59.70	742.06	1,023.99		21.31		170.27	2,094.25
164	1023	Collier	Hendry County Line	Carnestown	40.00	Marl	276.62	357.81	1,292.87	138.89		31.29		302.72	2,400.20
194	1030	Palm Beach	Road No. 25	Martin Co. Line	26.00	R. B. S. T.	169.77	24.09	493.06	145.65		20.35		140.40	993.32
194	1030-B	Palm Beach	West Palm Beach Canal	Bridge		Steel-Timber				230.13					230.13
194	1031	Martin	Palm Beach Co. Line	Okeechobee Co. Line	12.80	R. B. S. T.	73.71		187.94	29.36		10.02		46.65	347.68
194	1031-B	Martin	St. Lucie Canal Bridge	Steel-Timber						227.92					227.92
194	1032	Okeechobee	Martin County Line	Parrott Avenue	11.50	R. B. S. T.	48.08	31.78	53.28	13.08		9.06		62.13	217.41
194	1032-B	Okeechobee	Taylor Creek Bridge	Steel-Timber						216.30					216.30
	901	Leon	Ft. A. & M. College	S. C. S. T.					12.93						12.93
	918	Gadsden	River Junction	Chattahoochee	1.50	R. B. S. T.		89.26				2.91		2.18	94.35
	927	Jackson	Road No. 1	Industrial School	2.00	S. C. S. T.		11.28	836.51		89.89	20.59		30.67	988.94
		Leon	Martin Building			S. C. S. T.		3.00	430.03					21.00	454.03

GRAND TOTAL

5,091.55

154,689.83

349,375.24

351,084.29

212,315.40

29,820.42

12,078.12

2,520.21

95,893.70

1,207,777.21

**STATE ROAD DEPARTMENT OF FLORIDA**  
**Storm and Betterment Work—1931**

Road	Project	County	From	To	Length Miles	Type	Storm	Better- ment
1	11	Baker-Nassau-Duval	Baldwin	Station 948 West	15.27	Concrete	\$	\$ 78,895.07
1	21	Baker	Glen St. Mary's	East to Station 65	5.64	Concrete		73,571.06
1	22	Baker	Columbia Co. Line	Project No. 11	8.89	Concrete		122.63
1	38-A	Escambia	Approach to Escambia	River Bridge	3.26	S. C. S. T.		9,281.09
1	533	Suwannee	Columbia Co. Line	Live Oak	13.31	R. B. S. T.		428.02
1	579	Holmes	Westville	Ponce de Leon	6.81	S. C. S. T.	6,246.45	
1	879	Escambia	Project No. 35	Project No. 697	8.89	Concrete	809.52	
2	2	Osceola-Polk	Kissimmee	Station 218	4.13	Brick-R. S. S. T.		8,962.89
2	31	Hamilton	Genoa	Jasper	11.80	R. B. S. T.		3,675.44
2	553	Marion	Ocala	Bellevue	2.87	Sh. Asphalt		
2	573-A	Orange	Orlando	Osceola Co. Line	8.80	R. B. S. T.		1,783.16
3	884	Duval	Trout River	Project No. 522	12.27	Brick-R. S. S. T.		1,616.03
3	885	Duval	Jacksonville	Clay Co. Line	11.15	Sh. Asphalt		831.28
4	640-A	Martin	Stuart	Gomez	4.92	Sh. Asphalt		169,597.74
4	683-A	Palm Beach	West Palm Beach	Delray	8.99	Sh. Asphalt		359.50
4	858	Duval	Bayard	So. Jacksonville	8.00	Concrete		
4	883	Duval	Jacksonville	Nassau Co. Line	2.87	Rock Asphalt		
5	519	Pinellas	Palmetto	Project No. 17	2.40	Bit. Mac.		14,289.24
6	501-C	Calhoun	Blountstown	Project No. 17	3.10	Sh. Asphalt		1,162.21
8	523	Okeechobee	Kissimmee	Jackson Co. Line	11.66	Sh. Asphalt		212,763.16
8	636	St. Lucie	Okeechobee Co. Line	St. Lucie Co. Line	7.75	R. B. S. T.		35,187.85
8	696	St. Lucie	Project No. 363	12.8 miles East	14.48	S. C. S. T.		20,278.76
10	685	Franklin	Carrabelle	Ft. Pierce	19.76	R. B. S. T.		24,425.51
13	594	Bradford	Starke	East Point	12.80	R. B. S. T.	89,334.71	14,470.34
14	817	Alachua	Gainesville	Alachua Co. Line	12.08	R. B. S. T.		14,314.36
15	729	Pinellas	St. Petersburg	Newberry	18.46	R. B. S. T.		3,085.40
15	730	Pinellas	Clearwater	Clearwater	9.69	R. B. S. T.		13,235.96
19	577	Taylor	Salem	Tarpon Springs	6.46	A. Block		314.93
22	770	Brevard	Indian River City	Steinhatchee River	3.90	Brick		
22	848	Citrus	Floral City	Orange Co. Line	7.53	A. Block		8,740.08
22	948	Orange	Orlando	Withlacoochee River	9.71	R. B. S. T.		6.00
23	891	Palm Beach	Twenty Mile Bend	Lake Co. Line	9.06	R. B. S. T.		13,640.92
26-A	954	Dade	Miami	Belle Glade	3.50	Graded		
27	669-C	Dade	Project 669-B Sta. 825	Broward Co. Line	1.00	R. B. S. T.		915.91
27	669-W	Collier	Carnestown	Station 1165	16.50	R. B. S. T.	1,943.97	3,433.03
29	926	Okeechobee	Project 780	Palm Hammock	19.18	R. B. S. T.		5,219.91
29	1021	Glades	Indian Prairie Canal	End of Parrot Avenue	9.00	R. B. S. T.		6,935.22
30	892	Indian River	Canal	Wise's Corner	6.82	Graded		
30	893	Osceola	Indian Co. Line	Osceola Co. Line	12.21	R. B. S. T.		233,480.83
30	951	Indian River	Vero Beach	Kissimmee	15.96	M. I. P.		88,136.80
33	652	Okaloosa	Project 649	Dyke	3.18	M. I. P.		
33	733	Walton	Project 650	Walton Co. Line	2.50	R. B. S. T.		6,765.27
39	736	Holmes	Project 709	Alabama State Line	4.68	S. C. S. T.		17,496.97
40	734	Walton	DeFuniak Springs	Washington Co. Line	9.37	S. C. S. T.		18.24
40	735	Walton	Project 734	North	8.62	Graded		6,678.85
40	752	Walton	Freeport	Alabama State Line	7.89	S. C. S. T.		18,803.94
41	823	Okaloosa	Milligan via Baker	North	13.71	S. C. S. T.		501.86
43	722	Jefferson	Lloyd	Hilton Switch	8.72	S. C.		3,312.39
48	923	Clay	St. Johns River	Wacissa	4.50	Graded		9,027.47
48	924	Clay	Bradford Co. Line	Project 924	8.95	R. B. S. T.		2,489.83
48	925	Bradford	Starke	10 miles East	16.67	R. B. S. T.		1,392.56
54	815	Okaloosa	Shoal River	Clay Co. Line	9.91	R. B. S. T.		118.64
54	819	Walton	Crestview South	Valparaiso	3.07	R. B. S. T.		6,201.85
60	854	Walton	DeFuniak Springs	Shoal River	13.89	S. C. S. T.		58,058.19
60	855	Walton	Glendale	Glendale	4.21	S. C. S. T.		5,609.62
64	890	Pinellas	Largo	Alabama State Line	9.81	S. C.		307.15
67	818	Glades	Main's Corner	Gandy Bridge	9.32	A. Block		1,886.79
67	910	Highlands	Lake Annie	Clewiston	10.80	Brick		7,656.04
68	911	Bradford	Jamilton	Glades Co. Line	1.40	Marl		3,982.79
85	912	Okeechobee	Okeechobee	Brooks-Starke Road	18.53	R. B. S. T.		1,167.42
85	913	Martin	Okeechobee Co. Line	Martin Co. Line	3.45	R. B. S. T.		3,635.80
140	915	Palm Beach	Delray	Indian town	6.32	Graded		15,190.15
140	1002	Broward	Palm Beach Co. Line	Delray	4.71	R. B. S. T.	5,450.91	15,047.25
164	950	Collier	Carnestown	Dade Co. Line	13.27	R. B. S. T.	986.69	
				Everglades	14.90	Graded		1,201.48
			Total		2.81		\$104,772.25	\$1,338,442.46

# STATE ROAD DEPARTMENT OF FLORIDA Maintenance Cost By Projects—1932

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- ture	Guard Rail	Signs	Center Lining	Super- vision	Engineer- ing	Total
1	1	Okaloosa	Milligan	Holt	7.65	S. C. S. T.	28.06	509.34	8,537.04	155.39	57.32	21.05		143.57	14.80	9,466.57
1	3	Jackson	Apalachicola Riv. Br.			Conc. Steel				2,612.44						2,612.44
1	6	Madison	Greenville	Aucilla River	5.46	R. B. S. T.	143.19	167.47	10.16		3.50	8.55		33.91	6.16	374.94
1	9	Holmes	Ponce de Leon	Argyle	8.16	S. C. S. T.	109.80	341.18	115.58	9.31	8.36	22.18		124.58	13.00	743.99
1	11	Bak.-Nas.-Duval	Baldwin	Sta. 948 West	15.27	Concrete	216.74	1,246.04	26.73	11.22	34.76	7.82	147.39	141.88	16.94	1,849.52
1	14-A	Santa Rosa	Milton	Sta. 338-80	5.96	Brick-Conc.Sh	253.04	293.26	109.46	2.65		11.34		107.34	10.94	788.03
1	14-B	Santa Rosa	Blackwater River Br.			Timber-Steel				1,738.55	20.65					1,759.20
1	20	Holmes-Wash.	Choctawhatchee River	Bridge		Timber-Steel	67.39	7.94	4.70	156.42	142.72	14.89				394.06
1	21	Baker	Glen St. Mary's East	Station 65	5.64	Concrete	164.19	873.08	15.65	20.77	21.35	8.15		47.80	14.14	1,165.13
1	22	Baker	Columbia Co. Line	Project No. 11	8.89	Concrete	69.94	234.74	317.19	97.08	30.69	6.55	124.50	102.71	16.47	999.87
1	23	Duval	Project No. 674	Baldwin	12.83	Concrete	211.73	881.59	230.53	134.10	65.12	12.39		124.43	41.61	1,701.50
1	24	Columbia	Lake City	Baker Co. Line	9.98	Bit. Macadam	203.93	261.70	133.34	6.01	27.95	6.72		114.68	18.28	772.61
1	35-A	Escambia	Pensacola	Nunez Ferry	4.98	Concrete	20.63	241.35	191.40	40.51		3.45		47.99	4.84	550.17
1	38-B	Escambia	Approach to Escambia	River Bridge	3.26	S. C. S. T.	660.33	276.58	213.88	658.88	508.41	8.68		64.52	6.69	2,397.97
1	52	Escambia	Escambia River Bridge			Steel-Timber			29.67	1,564.48						1,594.15
1	54	Leon	Pensacola	Escambia River	10.07	Concrete	262.22	3,972.63	1,269.66	69.38	940.33	16.10	41.82	357.36	20.65	6,950.16
1	54-A	Leon	Tallahassee	East	12.69	Concrete	771.34	1,409.19	153.16		1,463.17	46.74	166.00	133.92	10.74	4,159.26
1	56	Jefferson	Jefferson Co. Line	Project 54	6.45	R. B. S. T.	347.04	314.08	206.79	155.08	945.84	6.13		63.77	5.02	2,043.75
1	59	Jefferson	Leon Co. Line	Monticello	6.12	R. B. S. T.	287.73	428.43	15.44		540.17	28.68		73.61	12.21	1,386.27
1	61-A	Gadsden	Aucilla River	Monticello	9.10	Concrete	282.07	426.51	77.27	10.57	697.02	19.25		109.44	18.14	1,640.27
1	61-C	Gadsden	Quincy	Mt. Pleasant	10.00	Concrete	218.25	1,009.80	148.14	22.80	50.22	75.21		127.00	9.66	1,661.08
1	71	Jackson-Wash.	Cottontdale	Chattahoochee	9.82	Concrete	169.85	701.09	133.50	23.20	199.70	81.13		116.48	8.94	1,433.89
1	504	Columbia	Chipley	Lake City	25.13	Concrete	2,533.72	150.49	112.23	98.31	1.67		73.66	158.59	6.00	3,759.80
1	514	Jackson	Suwannee Co. Line	West	9.30	R. B. S. T.	119.59	934.54	44.12	1.00	25.65	3.64	4.00	127.25	18.28	1,278.07
1	529	Suwannee	Live Oak	Suwannee River	11.68	S. C. S. T.	246.92	2,266.31	6,442.31	96.13	376.63	2.02		130.45	160.72	9,721.49
1	533	Suwannee	Live Oak	Live Oak	12.68	Concrete	224.35	1,186.26	52.31	16.01	63.10	2.19		175.88	28.11	1,748.21
1	565	Madison	Columbia Co. Line	Live Oak	13.31	R. B. S. T.	227.39	1,179.13	55.66	33.28	23.03	21.07	2.03	197.16	30.59	1,769.34
1	567	Walden	Suwannee River	Madison	15.99	Concrete	285.09	1,393.60	118.24	160.98	18.32	15.29		192.33	31.91	2,215.76
1	568	Jackson	Okaloosa Co. Line	Holmes Co. Line	21.87	S. C. S. T.	334.07	390.85	1,225.97	1,342.07		46.71		432.88	48.94	3,821.49
1	571	Madison	Pope's Lake Bridge			Timber		16.45	18.83	227.63						262.91
1	579	Holmes	Greenville	Madison	14.26	R. B. S. T.	393.36	1,241.94	136.63		33.11	13.91		172.54	30.06	2,021.55
1	585	Santa Rosa	Westville	Ponce de Leon	6.81	S. C. S. T.	232.94	422.03	274.69	1,111.92	76.37	24.09		134.82	14.00	2,290.86
1	585-B	Santa Rosa	Milton	Pace	8.50	S. C. S. T.	103.79	990.80	10,856.51	1.88	13.84	23.09		135.30	138.78	12,263.99
1	586	Jackson	Pond Creek Bridge			Timber-Conc.		16.90	12.64	9.13	5.21					43.88
1	590	Santa Rosa	Marianna	Cottontdale	7.70	S. C. S. T.	146.20	908.88	491.25	30.33	1.33		166.00	117.40	3.30	1,884.69
1	621	Okaloosa	Project 1	Project 14	9.27	S. C. S. T.	44.51	40.69	2,662.29	6.45		10.13		134.58	14.30	2,916.95
1	631	Wash.-Holmes	Walton Co. Line	Milligan	17.47	S. C. S. T.	282.73	2,132.56	282.58	33.09	310.32	31.85		357.77	37.19	3,468.09
1	631-B	Wash.-Holmes	Chipley	Bonifay	8.16	S. C. S. T.	150.06	561.86	706.37	17.98	425.64	5.43		132.26	5.04	2,004.64
1	634	Jackson	Alligator-Holmes Creek	Bridges		Timber				70.97						70.97
1	634-B	Jackson	Marianna	11 Miles East	11.03	S. C. S. T.	90.56	750.76	8,957.01		48.11	1.91		177.63	132.43	10,158.47
1	638	Santa Rosa	Chipola River Bridge			Concrete-Steel				55.02		28.39				83.41
1	658	Holmes-Wash.	Blackwater River Br.	Beginning of Pav.	4.0	Concrete	44.15	147.42	124.05	960.92	4.10	14.11	17.27	6.11	.69	1,318.82
1	658-B	Washington	Caryville Slough	Caryville	8.35	S. C. S. T.	67.38	1,329.43	5,705.29	1,120.84	83.02	3.13		143.94	5.22	8,458.25
1	672	Leon	Caryville Slough			Timber		15.00	53.30							96.70
1	673	Gadsden	Tallahassee	Gadsden Co. Line	9.79	Concrete	446.15	990.33	79.08	250.19	348.24	12.99		101.20	8.10	2,236.28
1	673-B	Gadsden	Leon Co. Line	Quincy	14.94	Concrete	483.61	1,512.28	161.94	96.59	458.51	66.48		154.40	12.36	2,946.17
1	674	Duval	Little River Bridge			Concrete-Steel			3.20	112.85	68.40					184.45
1	697	Escambia	Jacksonville	Enterprise	3.54	Concrete	130.56	668.70	32.72	10.32		24.91	20.75	34.34	52.01	974.31
1	827	Escambia	Perdido River Bridge			Timber		67.64	44.50	170.19	19.40	3.62				305.35
1	879	Escambia	Escambia Bay Bridge	Rd. 7 Near Pensacola	8.16	S. C. S. T.	64.43	440.77	93.19	8.10	19.40	17.41		129.43	13.30	786.43
1	880	Escambia	Project 35	Project 697	8.89	Concrete	42.55	511.77	52.02	14.55	28.36	20.99		141.94	14.26	826.44
1	918	Escambia	Pensacola	Project 35	1.98	Concrete	35.65	175.77	24.95	14.26		14.87		15.71	1.54	282.75
1	980	Gadsden	Chattahoochee	River Junction	16.89	R. B. S. T.	18.89	218.23	12.65	49.70		2.26		12.39		311.16
2	2	Osceola-Polk	Kissimmee	Station 218	4.13	Brick-R. S. S. T	172.13	113.84	290.89	29.86	23.49	17.19	1.76	70.58	3.19	722.93
2	4	DeSoto	Arcadia	Project No. 15	3.05	Conc.-R. S. S. T	39.12	104.27	33.31	12.47	.81	13.01		28.65		235.21
2	7	Hamilton	Jasper	Georgia State Line	12.90	R. B. S. T.	465.15	656.43	136.86		35.97	10.14		217.57	3.57	1,586.62
2	8	Alachua	Columbia Co. Line	Burnett's Lake	11.42	Bit. Macadam	463.87	79.53	210.57	23.44	2.08	35.26		86.95	11.74	913.44
2	13	Orange	Plymouth	Mt. Dora	8.56	Sheet-Asphalt	452.11	869.67	279.94		32.30	30.74	29.25	146.30	6.56	1,846.87
2	15	DeSoto	Station 162	Carlstrom Field	4.01	Conc. R. S. S. T.	57.17	15.42	48.58	3.30	.81	23.65		41.43	5.25	195.61
2	19	Hamilton	Suwannee River	Genoa	8.15	R. B. S. T.	269.73	357.57	955.79	19.82	61.26	19.43		127.57	19.76	1,830.93
2	26	Columbia	Lake City	Suwannee River	10.78	Concrete	61.54	827.71	122.76	3.92	40.20	11.20		159.97	24.85	1,251.85
2	27	Columbia	Lake City	Project No. 505	12.44	Concrete	102.33	349.54	83.79	12.02	26.55	4.17		174.16	25.94	778.50
2	31	Hamilton	Genoa	Jasper	11.80	R. B. S. T.	220.48	202.73	10.12	1.30	23.03	2.04		105.70	15.75	581.15
2	33	Alachua	Burnett's Lake	Gainesville	12.59	Bit. Macadam	659.04	402.68	270.55	67.83	2,158.84	31.62		134.34	18.71	3,743.61
2	37-A	Alachua	Gainesville	Project 37-B	.68	Sheet-Asphalt	35.58	9.70	146.89	1.46	17.00	13.92		3.13	.44	228.12

STATE ROAD DEPARTMENT OF FLORIDA  
Maintenance Cost By Projects—1932

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Super- vision	Engineer- ing	Total
2	37-B	Alachua	Project No. 37-A	Project 37-C	.20	Concrete	29.89	13.97	7.39			.35		.62	.11	52.33
2	37-C	Alachua	Project No. 37-B	Payne's Prairie	3.46	Sheet-Asphalt	249.76	22.37	37.55		57.29	32.20		22.26	2.95	424.38
2	37-D	Alachua	Across Payne's Prairie		2.14	R. B. S. T.	292.24	20.62	30.41		37.24	12.19		14.46	2.12	409.28
2	37-E	Alachua	Payne's Prairie	Marion Co. Line	7.97	Sheet-Asphalt	519.47	386.76	174.76		1,475.29	48.53		68.28	8.92	2,682.07
2	47	Marion	Lowell		10.54	A. Concrete	526.20	364.74	97.37		153.84	32.07		91.98	12.15	1,278.35
2	44	Lake	Marion Co. Line		10.53	A. Concrete	482.41	866.28	93.50	2.32	458.98	92.50		109.62	17.57	1,213.18
2	53-A-C	Lake	Leesburg	Tavares	9.06	A. Concrete	434.18	759.77	87.34	6.26	6.70	76.42		85.19	11.45	1,467.31
2	53-B	Lake	Dead Riv. & Dora Brs.			Conc. Steel			6.26	648.65	7.35					662.26
2	74	Orange	Plymouth	Orlando	14.36	A. Concrete	676.31	594.61	368.62	27.77	56.77	85.18	41.50	245.40	26.27	2,122.43
2	81	Alachua	University Corner	Rd. 2 N. Gainesville	0.50	Sheet-Asphalt	134.08	294.32	22.75	60.11	6.56	9.56		31.86	4.50	563.74
2					2.80	R. B. S. T.										
2	503	Charlotte	DeSoto Co. Line	Lee Co. Line	18.23	Marl	93.35	518.23	3,119.75	911.83	24.20	7.72		206.67	27.24	4,908.99
2	505	Columbia	Project No. 27	Alachua Co. Line	10.98	R. B. S. T.	308.73	289.69	58.67	8.23	25.65	3.92		148.50	22.75	866.34
2	505-B	Col.-Alachua	Santa Fe River Bridge			Steel-Timber				66.78						86.00
2	520	Marion	Bellevue	Lake Co. Line	15.56	R. B. S. T.	782.54	274.42	581.27		1.00	10.69		146.91	20.25	1,817.08
2	538	Marion	Alachua Co. Line	Lowell	10.92	R. B. S. T.	588.76	5,281.22	618.54	132.48	2,262.55	173.10		115.64	19.04	9,191.33
2	542	Hardee	Bowling Green	Wauchula	5.56	Brick-R. S. S. T	188.40	75.12	125.85	432.91	11.63	84.03		79.83	8.45	1,006.22
2	553	Marion	Ocala	Bellevue	0.28	Shell-Asphalt	516.85	102.17	5,274.82		1.00	33.98		58.98	8.26	5,996.06
2					8.80	R. B. S. T.										
2	563	Osceola	Project No. 2	Polk Co. Line	4.70	Brick-R. S. S. T.	219.79	251.10	520.49		7.11	7.01		80.34	3.59	1,089.43
2	573-A	Orange	Orlando	Osceola Co. Line	12.27	Brick-R. S. S. T	425.56	323.09	428.70		5.31	66.64	3.52	194.42	8.64	1,455.88
2	599	DeSoto	Carlstrom Field	Charlotte Co. Line	6.79	Marl	34.82	130.39	2,651.24	433.45	24.91	4.99		76.99	9.74	3,366.53
2	609	Hardee	Wauchula	Peace River	5.06	Brick-R. S. S. T.	95.13	89.53		420.20	11.32	99.97		72.67	7.69	972.09
2	610	Osceola	Kissimmee	Orange Co. Line	2.70	Brick-R. S. S. T	172.64	59.83	258.88		5.31	16.21	.88	42.78	1.94	558.47
2	616	DeSoto	Arcadia	Hardee Co. Line	4.66	R. B. S. T.	61.81	115.33	213.87	27.05	10.57	84.66		49.03	117.04	679.36
2	648	Hardee	Bowling Green	Brownsville	14.10	R. B. S. T.	148.42	61.88	72.12	15.64	46.73	110.25		159.87	20.24	635.15
2	632	Lee	Charlotte Co. Line	Ft. Myers	6.70	Sand Asphalt	325.85	285.24	190.30	48.75		90.59		142.59	16.88	1,100.20
2					10.15	Bit. Macadam										
2	632-B	Lee	Caloosahatchee Riv. Br.			Timber-Steel				416.71						416.71
2	661	Lake	Leesburg	Helena Run	2.56	Sheet Asphalt	166.07	145.52	85.64		9.20	61.21		20.92	2.95	491.51
2	687-A	Lake	Helena Run	Groveland	15.00	Sheet Asphalt	402.88	1,253.85	185.80	2.60	37.29	106.84		154.77	21.22	2,165.25
2	687-B	Lake	Groveland	Polk Co. Line	13.86	R. B. S. T.	228.11	809.80	30.06		45.01	105.46		157.05	21.43	1,396.92
2	695	Lake	Silver Lake Forks	Eustis	10.34	R. B. S. T.	338.81	451.99	84.70	18.34	54.40	42.01		96.47	13.02	1,099.74
2	695-B	Lake	Haines Creek Bridge			Timber-Steel				909.65	14.70					924.35
2	758	Polk	Pt. Meade	Hardee Co. Line	7.26	Graded	1.06	61.92	12.96			36.86		15.05	1.32	129.17
2	761	Polk	Haines City	Osceola Co. Line	9.80	Sheet-Asphalt	226.43	97.92	40.36		79.30		13.15	45.88	5.24	508.28
2	961	Polk	Polk City	Lake Co. Line	11.65	R. B. S. T.	311.33	41.50	226.20	20.65	23.25	54.06		64.2	13.31	754.50
2	1036	Polk	Polk City	Lakeland	6.75	R. B. S. T.	326.75	52.69	128.30			88.52		49.73	4.26	650.25
2					6.75	Sheet Asphalt										
2	1058	Polk	Haines City	Bartow	22.00	Sheet Asphalt	643.31	137.59	14.16			156.34		80.13	6.85	1,038.38
2	1059	Sumter	Coleman	Bamboo	11.68	R. B. S. T.	116.68	228.98	1,041.75	187.21		42.68		33.48	4.38	1,655.16
3	18	Putnam	Sisco	Volusia Co. Line	12.79	Bit. Macadam	348.53	784.09	233.59		35.75	23.32		138.35	21.77	1,585.40
3	46	Nassau	St. Mary's Bridge	So. of Yulee	11.52	Concrete	180.54	1,161.38	362.32	59.28	176.96	46.43	146.78	111.74	10.85	2,256.28
3	421	Nassau	St. Mary's Riv. Bridge			Concrete-Steel		1.20	276.08	5,861.57						6,138.85
3	522	Nassau-Duval	Project No. 46	End of Pavement	4.06	R. B. S. T.	38.47	55.53	113.73	1,364.46	14.75	19.34		39.39	3.85	1,649.52
3	532	Volusia	Putnam Co. Line	DeLeon Springs	19.34	R. B. S. T.	394.81	694.48	5,780.73	4.50	7.61	21.35		232.42	63.37	7,199.27
3	543	Sem'ole-Orange	Sanford	Orange Co. Line	16.54	Bit. Macadam	339.79	291.08	404.64	9.63	44.96	50.81		196.02	30.64	1,367.57
3					3.00	Brick										
3	575	Putnam	Sisco	Dennis Creek	5.68	R. B. S. T.	164.87	348.15	217.67	27.90	129.86	4.28		55.02	8.94	956.69
3	588	Putnam	Through Crescent City		2.35	Sheet Asphalt	25.94	21.95	30		19.85	1.16		11.60	2.04	82.84
3	595	Volusia	DeLeon Springs	DeLand	123.35	R. B. S. T.	123.35	173.07	2,238.78		75.72	1.10	7.35	64.77	10.17	2,694.31
3	627	Putnam	East Palatka	Dennis Creek	6.38	R. B. S. T.	154.41	462.33	278.00	38.94	320.89	4.54		76.35	12.35	1,347.81
3	628	Volusia	DeLand City Limits	Monroe Bridge	10.45	R. B. S. T.	397.90	276.08	19.36		207.77	9.40	8.86	84.32	14.62	1,018.31
3	642	Putnam	Rice Creek	Clay Co. Line	10.19	R. B. S. T.	215.98	192.18	215.33	68.27	96.15	20.45		122.45	19.88	950.69
3	659	Clay	Duval County Line	Green Cove Springs	13.13	R. B. S. T.	262.02	1,522.34	2,759.10	47.06	199.07	8.06		127.33	36.77	4,961.75
3	660	Clay	Green Cove Springs	Putnam Co. Line	10.04	R. B. S. T.	316.93	635.37	560.69	21.65	22.65	5.98		97.37	26.52	1,687.16
3	664	Clay	Doctor's Lake Bridge			Concrete-Steel				1,561.65						1,561.65
3	665	Clay	Black Creek Bridge			Concrete-Steel				1,528.75						1,528.75
3	705	Volusia-Sem'ole	Monroe Bridge			Timber-Steel	18.00	95.48	49.50	3,886.77	1.90	3.60				4,055.25
3	721	Putnam	Palatka	Rice Creek	3.03	Brick-R. B. S. T	69.30	140.80	102.25	33.73	27.90	15.29		26.75	4.20	420.22
3	721-B	Putnam	Rice Creek Bridge			Concrete-Steel		1.50		644.38						645.88
3	884	Duval	Trout Creek	Project No. 57	11.15	Sheet Asphalt	213.85	631.54	349.86		174.03	15.07	1.42	108.12	10.48	1,504.37
3	885	Duval	Jacksonville	Clay Co. Line	4.92	Sheet Asphalt	164.14	305.58	98.57		23.69	.85		38.93	3.81	635.57
3	952	Putnam	Dunn's Creek Bridge		19.50	Concrete-Steel	23.19	656.99		1,809.98	3.60	1.80				622.93
4	32	Nassau	Duval Co. Line	5 Mi. N. of Callahan	10.01	Bit. Macadam	221.37	126.87	39.68	47.66	80.02	10.73		88.84	7.76	2,515.06

**STATE ROAD DEPARTMENT OF FLORIDA**  
**Maintenance Cost By Projects—1932—(Cont'd.)**

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Super- vision	Engineer- ing	Total
4	36-A	Indian River	Vero Beach	Wabasso	7.73	Bit. Macadam	575.12	282.41	423.67	34.05	57.57	3.78		132.10	5.91	1,514.61
4	36-B	Indian River	Wabasso	Sebastian River	7.29	Concrete	421.31	272.00	87.79	43.04	4.40	11.13	103.75	124.58	5.59	1,073.59
4	39	Indian River	Sebastian River Bridge			Concrete	111.70	215.62	18.90	98.97						445.19
4	40-A	Brevard	Sebastian River Bridge	Melbourne	16.54	R. B. S. T.	1,055.69	211.32	6,124.42	59.67	87.50	4.18		304.33	24.75	7,871.86
4	40-B	Brevard	Turkey Creek Bridge			Concrete		6.47		11.41						17.88
4	40-D	Brevard	Titusville	Project 546 So.	6.71	R. B. S. T.	653.51	3,414.09	13,201.60	8.50	317.15	46.55		117.71	44.72	17,803.83
4	40-E	Brevard	Titusville	Volusia Co. Line	13.61	R. B. S. T.	286.10	558.49	169.17	71.69	567.77	86.32		195.44	8.38	1,943.36
4	41	Dade	Miami	Brevard Co. Line	11.73	Sheet Asphalt	643.09	323.77	181.19	15.62	61.07	68.87		200.45	8.97	1,503.03
4	47	St. Johns	Duval Co. Line		15.57	Concrete	706.07	486.75	112.25	65.94	63.57	52.41	457.56	138.18	25.57	2,108.30
4	48	St. Johns	Pellicer's Creek		15.64	R. B. S. T.	324.00	899.75	40.91	3.94	317.10	29.70	4.16	151.68	14.74	1,785.98
4	49	Flagler	Pellicer's Creek	Bunnell	13.79	R. B. S. T.	303.23	582.90	37.50	2.20	112.18	25.85		165.72	26.90	1,256.48
4	60-C	Volusia	Tomoka River	Allendale	9.64	Concrete	169.92	722.34	297.42	26.13	28.80	34.34	167.64	85.09	13.28	1,544.96
4	63-A	Palm Beach	Delray	Broward Co. Line	9.21	Concrete	371.77	644.55	21.06	2.40	31.44	33.78	89.58	157.39	7.07	1,359.04
4	63-B1	Broward	Hillsborough Riv. Br.			Steel-Concrete		22.21	1,238.12							22.21
4	63-B3	Broward	Middle River Bridge			Concrete	987.24	1,107.34	285.59	22.21						2,740.45
4	63-C	Broward	Palm Beach Co. Line	Ft. Lauderdale	13.27	Steel-Concrete	29.56	11.39	19.14	2,022.14	77.35	20.91		228.86	12.37	2,082.14
4	68-A1	Palm Beach	P. Beach Canal Bridge			Concrete	279.01	200.45	521.21	59.64	24.99	17.24	46.26	108.30	4.83	1,261.93
4	78-A	Broward	Bunnell	Dade Co. Line	8.72	R. B. S. T.	251.23	588.04	211.03	9.30	36.04	9.57	2.89	104.78	18.13	1,231.01
4	507	Flag - Volusia	Project No. 32	Georgia Hotel Li.	12.57	R. B. S. T.	310.72	690.92	122.65	8.26	114.69	25.10		121.91	11.84	1,406.09
4	521	Nassau	Sharpes	5 Mi. North	4.68	R. B. S. T.	141.76	54.40	169.91	47.33	60.19	9.79		73.86	5.65	562.89
4	546	Brevard	Bonaventure	Project 608	4.52	R. B. S. T.	246.91	145.06	8.90	28.65	66.83	2.10		77.26	5.94	581.65
4	554	Brevard	New Smyrna	Brevard Co. Line	16.65	R. B. S. T.	496.78	781.63	5,822.65	3.40	188.29	83.34		199.72	33.20	7,610.01
4	597	Volusia	Port Orange		7.66	R. B. S. T.	191.36	123.09	5,260.46	70.35	400.01	18.89		92.06	16.11	6,172.39
4	604	Volusia	Melbourne	Proj. No. 554	9.90	Concrete	283.76	197.26	51.04	17.88	24.10	11.40	103.75	187.44	279.08	1,155.71
4	608	Brevard			1.07	R. B. S. T.										105.55
4	620	Indian River	Vero Beach Bridge			Timber		105.55								105.55
4	640-A	Martin	Stuart	Gomez	8.99	Sheet Asphalt	598.98	458.02	17.80	33.28	61.48	17.22	15.00	10.97	135.34	1,348.09
4	640-B	Martin	Gomez	Jupiter	11.83	Sheet Asphalt	522.58	680.46	12.28	8.84	59.37	2.64		9.08	202.16	1,497.41
4	641	Palm Beach	Jupiter River	West Palm Beach	13.62	R. B. S. T.	494.62	843.12	167.34	3.00	103.99	116.34		249.86	11.76	1,990.03
4	641-B	Palm Beach	E. C. Canal Bridge		1.00	Bit. Macadam		9.52	2,524.64			2.52				2,536.68
4	654	Broward	Dade Co. Line	Ft. Lauderdale	6.28	Bit. Macadam	302.42	73.26	45.74	8.00		1.08	91.03	108.00	4.78	634.31
4	656	Palm Beach	Jupiter River Bridge			Steel-Conc.			1,555.18							1,555.18
4	668	Brevard	Sharpes	Bonaventure	13.46	R. B. S. T.	437.55	131.71	271.94	14.25	93.50	15.69	.22	230.03	10.68	1,205.57
4	683-A	Palm Beach	W. Palm Beach	Delray	8.00	Concrete	436.54	497.62	174.92	2.19	32.44	52.66		227.56	10.27	1,434.20
4	691	Indian River	Vero	St. Lucie Co. Line	2.87	Rock Asphalt										
4	692	St. Lucie	Indian River Co. Line		2.40	Bit. Macadam	721.18	107.12	419.84	87.59	267.94	34.19	62.25	86.92	3.87	1,790.90
4	693	St. Lucie	Ft. Pierce		5.47	Concrete	378.82	727.76	323.12	3.50	65.79	111.39		116.62	5.16	1,733.16
4	694	Martin	St. Lucie Co. Line	Stuart	12.73	Concrete	1,062.35	251.30	317.84	47.36	155.27	20.55	124.50	149.55	402.51	2,406.73
4	858	Duval	Bayard	So. Jacksonville	4.36	Concrete	309.90	140.01	113.88	41.72	7.61	14.04		227.25	130.64	1,109.55
4					12.71	Brick	387.10	1,287.79	96.25	24.92	40.90	45.19		169.40	18.43	2,069.98
4	883	Duval	Jackville City Limits	Nassau Co. Line	3.10	Bit. Macadam										
4	899	Martin	St. Lucie River Bridge		2.10	Sheet Asphalt	470.81	685.36	299.80	152.06	62.71	32.09		113.06	5.98	1,821.87
4	1097	Duval	Bayard		11.66	Sheet Asphalt	3.75	14.64	68.18	1,181.22		15.21				1,283.00
4-A	896	Monroe	Card Sound	St. Johns Co. Line	2.94	R. B. S. T.	1,403.63	231.13	2,052.58	3,865.05	44.27	69.33		786.09	71.21	8,523.29
4-A	897	Monroe	N. End Key Yacas	S. End Key Yacas	14.00	R. B. S. T.	482.84	69.10	2,724.92	27.30		2.42		239.26	10.78	3,556.62
4-A	898	Monroe	No Name Key	Key West	38.00	R. B. S. T.	461.63	481.54	15,603.20	19,123.37	402.00	13.32		649.44	138.83	36,873.33
4-A	900	Dade	Homestead	Card Sound	15.00	R. B. S. T.	517.74	103.90	454.83		3.68	26.58		161.34	13.91	1,281.98
4-A	900-B	Monroe-Dade	Card Sound Bridge			Steel-Timber	210.35	68.18		6,144.46	46.40					6,469.39
4-A	909	Dade	Miami	Naranja	14.62	R. B. S. T.	376.30	35.98	983.96	20.40	12.30	11.06		249.84	11.20	1,701.04
4-A	909-C	Dade	Naranja	Homestead	4.38	Concrete	284.69	53.13	36.82	22.54	5.70		41.14	63.67	2.55	531.40
5	17	Manatee	Bullard	Hillsboro Co. Line	7.87	Bit. Macadam	181.58	140.20	14.30		15.81	5.70		79.00	5.91	450.63
5	66	Sarasota	Myakka River Bridge			Concrete	42.22	106.65		37.57	97.48	5.14				289.06
5	70	Charlotte	Peace River Bridge			Concrete	35.43	235.89	185.07	2,669.46						3,125.85
5	75	Collier	Gordon River Bridge			Concrete	5.40	246.37	260.01			9.63				521.41
5	76-A	Hillsborough	Sulphur Springs	Pasco Co. Line	10.31	Concrete	425.73	1,917.60	573.26	49.20	16.20	25.13	60.87	159.83	11.17	3,238.99
5	83	Sarasota	Project No. 615	Myakka River	9.20	R. B. S. T.	144.72	1,714.42	663.28	4.00	11.60	29.75		103.11	10.35	2,682.83
5	510-512	Hillsborough	Wimauma	Manatee Co. Line	11.68	Asphalt-Block	428.01	433.51	1,129.47	3.37	88.38	65.73	1.60	143.68	9.47	2,303.62
5	519	Manatee	Palmetto	Project No. 17	7.75	R. B. S. T.	279.27	29.11	36.14	42.66	54.92	.80		93.97	14.36	1,038.34
5	539	Marion	Livy Co. Line	Dunnellon	10.86	R. B. S. T.	312.29	101.75	27.58		1.00	14.27		52.96	7.16	517.01
5	544-A	Pasco	Hillsboro Co. Line	Sta. 462-00	8.99	R. B. S. T.	124.96	226.66	367.20	17.86	97.96			73.61	16.36	924.61
5	544-B	Pasco	Sta. 462-00	Hernando Co. Line	11.06	R. B. S. T.	136.18	113.79	569.88		11.48	150.55		92.92	19.79	1,094.59

**STATE ROAD DEPARTMENT OF FLORIDA**  
**Maintenance Cost By Projects—1932—(Cont'd.)**

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Super- vision	Engineer- ing	Total
5	545	Hernando	Pasco Co. Line	Brooksville	9.53	Sheet Asphalt	187.64	286.26	91.89	146.90	58.86	93.17		107.77	21.23	993.72
5	564-A	Charlotte	Sarasota Co. Line	Charlotte Harbor	11.11	R. B. S. T.	289.45	84.00	177.84	704.00	9.00	41.08		116.44	16.64	1,438.45
5	564-B	Charlotte	Accline	Accline	9.85	R. B. S. T.	310.69	70.54	41.40	167.16	26.34	64.02		111.69	13.97	805.81
5	564-C	Charlotte	Punta Gorda	Accline	3.81	R. B. S. T.	384.33	51.34	96.56	18.97	11.66	119.54	1.53	43.23	5.43	732.59
5	570	Manatee	Bradenton	Sarasota Co. Line	3.94	Bit. Macadam	144.58	80.27	152.78	40.68		55.19	.80	47.76	7.32	529.38
5	576	Sarasota	Myakka River	Charlotte Co. Line	5.63	R. B. S. T.	60.84	66.86	132.56	149.23	12.60	31.94	1.60	64.08	6.84	526.55
5	581	Hillsborough	Six Mile Creek	Project No. 510	11.79	R. B. S. T.	83.22	374.61	15,602.10	4.00	83.67	63.85	1.00	119.25	388.98	16,720.68
5	589	Lee	Charlotte Co. Line	Caloosahatchee Riv.	8.45	R. B. S. T.	652.58	790.52	305.86	16.16	16.72	59.07		118.79	14.71	2,034.41
5	593	Manatee	Manatee River Bridge			Concrete	1,085.61	96.75		3,001.58						4,183.94
5	613	Sarasota	Sarasota	Project No. 570	4.25	Sheet Asphalt	222.18	35.71	165.50	5.80		22.35		64.51	8.80	526.50
5	614	Sarasota	Sarasota	Venice	16.90	A. Concrete	959.81	489.61	180.53	45.84	54.31	39.50	1.60	268.74	35.98	2,055.92
5	614-B	Sarasota	Ven., Hatchet, Shacket.	Phillippi Brs.		Concrete	4.13	10.64	31.59	170.25						216.61
5	615	Sarasota		Project No. 83	1.21	R. B. S. T.	42.11	30.34	52.30	203.44	9.00	6.58		7.90	1.03	352.70
5	617	Alachua	High Springs	Newberry	6.00	R. B. S. T.	113.30	64.17	50.48			11.82		28.83	3.86	272.46
5	618	Alachua	Newberry		10.89	R. B. S. T.	293.52	69.55	163.71			54.65		71.47	8.88	661.78
5	619	Alachua	Archer-N'berry Dist. Li.	Levy Co. Line	9.28	R. B. S. T.	282.80	390.26	136.44	19.99	42.51	47.65		87.62	12.07	1,019.34
5	625	Citrus	Holder	Inverness	10.57	R. B. S. T.	116.87	529.36	72.31	70.81	5.80	205.93		107.31	14.86	1,123.25
5	626	Citrus	Inverness	Floral City	6.58	R. B. S. T.	314.61	117.24	21.51		129.09	126.18		66.85	9.26	784.74
5	635	Manatee	Bradenton	Project No. 570	1.28	A. Concrete	65.51	40.78		6.05		5.15		9.63	7.3	128.29
5	663	Citrus	Floral City	Sta. 424-215	8.02	R. B. S. T.	509.67	156.81	27.64		123.16	89.99		90.60	12.39	1,010.46
5	679	Hernando	Sta. 418-926	Brooksville	6.73	R. B. S. T.	186.56	208.20	224.58		218.35	71.69		76.50	15.05	1,090.93
5	682	Citrus	Dunnellon	Holder	6.40	R. B. S. T.	136.06	382.70	137.13		21.95	111.43		72.45	9.90	953.21
5	682-B	Citrus	Overhead Bridge on Pr	oject 682						152.47						152.47
5	769	Lee	Caloosahatchee Riv. Br			Concrete	354.52	98.50	18.23	4,364.06	7.35	85.13				4,927.79
5	868	Levy	Alachua Co. Line	Marion Co. Line	19.44	R. B. S. T.	721.14	352.21	1,091.46	60.67	11.09	25.59		83.74	11.58	2,337.48
5-A	518	LaFayette	Mayo	Branford	17.66	R. B. S. T.	81.37	1,305.46	55.95	221.73	75.83	4.88		191.47	31.05	1,967.74
5-A	518-B	LaFayette	Suwannee River Br.			Steel-Timber	3.70	3.07		50.39						57.16
5-A	535	LaFayette	Taylor Co. Line	Mayo	13.20	R. B. S. T.	84.65	2,016.72	69.57			7.35		153.75	26.39	2,364.06
5-A	587	Columbia	Ft. White	Ichucknee River	4.61	R. B. S. T.	64.46	126.47	15.56		1.91	1.83	.80	45.36	.40	264.42
5-A	689	Alachua	High Springs	Santa Fe River	1.65	R. B. S. T.	31.36	43.58	45.62	3.77	4.39			8.82	1.23	138.77
5-A	718	Suwannee	Santa Fe River	Ft. White	7.99	R. B. S. T.	97.36	274.61	6.56	.63	145.99	2.46		86.64	14.07	628.32
5-A	718-B	Col.-Alachua	Santa Fe River Bridge			Steel-Timber		67.40	.75	8.15						76.30
5-A	719	Suwannee	Ichucknee River	Suwannee River	8.60	R. B. S. T.	73.27	128.84	6.37	.67	5.79	3.32		85.57	13.66	317.49
5-A	860	Taylor	Perry	LaFayette												
6	501	Calhoun	Blountstown	Scott's Ferry	12.67	S. C. S. T.	122.85	549.38	707.60	18.00	46.49	2.19		181.46	4.82	1,632.79
6	501-B	Gulf	Scott's Ferry Bridge			Timber-Steel		6.95	8.31	213.50						228.76
6	501-C	Calhoun	Blountstown	Jackson Co. Line	14.48	S. C. S. T.	197.54	5,771.65	168.90	274.92	22.54	2.50		262.07	9.78	6,709.90
6	501-D	Calhoun-Gulf	Scott's Ferry	Wewahitchka	14.02	S. C. S. T.	140.93	518.91	723.29	142.88	126.00	17.92		186.29	5.26	1,861.48
6	502	Gulf	Port St. Joe	No. of Canal	6.94	R. B. S. T.	62.13	63.03	54.63			5.81		83.85	2.21	271.66
6	560	Gulf	Canal	Wewahitchka	17.39	Top Soil S. T.	161.35	895.36	233.50	40.60	16.40	33.00		245.36	9.73	1,635.30
6	657	Jackson	Calhoun Co. Line	Road No. 1	10.02	S. C. S. T.	216.13	886.86	474.77	1,298.14	3.18	1.74		169.37	4.98	3,055.17
6	666	Jackson	Marianna	Godwin's Gin	6.79	S. C. S. T.	90.09	315.65	474.31		93.31	1.17		109.45	4.19	1,088.17
6	670	Jackson	Godwin's Gin	Ala. State Line	11.63	S. C. S. T.	131.58	554.34	3,440.33		256.65	2.03		211.44	7.86	4,604.20
6	686	Gulf	Gov't Canal Bridge			Timber-Barge		21.47		1,315.73						1,337.20
7	34	Escambia	Pensacola	Roberts	10.02	Concrete	84.73	1,045.39	97.63	5.12				159.42	16.17	1,419.40
7	51	Escambia	End of Pavement	Pine Barren Hill	6.28	Concrete	40.33	396.05	46.57		60.71	7.66		111.16	11.55	664.03
7	881	Escambia	Project No. 51	Ala. State Line	17.36	Concrete	59.56	1,760.31	81.52			26.80		265.04	27.65	2,220.88
7	882	Escambia	Project No. 34	Project No. 54	8.57	Concrete	101.13	510.73	58.08			3.55		88.75	8.46	770.70
8	523	Okeechobee	Kissimmee	St. Lucie Co. Line	19.76	R. B. S. T.	343.73	609.53	143.77	176.88	35.98	96.83		337.67	15.14	1,750.53
8	562	Highlands	Lake Annie	Station 422	8.31	R. B. S. T.	251.85	320.73	269.20	103.31	12.71	13.45		78.96	9.49	1,059.70
8	562-A	Highlands	Station 422	Line 35-36	5.28	R. B. S. T.	243.94	186.69	352.18	239.29	67.54	5.24		44.05	5.61	1,144.54
8	562-B	Polk-Highlands	Frostproof	Avon Park	10.85	Sheet-Asphalt	326.02	525.07	138.78	2.50	43.80	81.53		41.06	6.08	1,164.84
8	562-C	Highlands	Avon Park	Sebring	8.75	R. B. S. T.	83.97	198.23	112.28			11.51		20.33	8.67	434.99
8	562-D	Highlands	Sebring	Line 35-36	9.89	R. B. S. T.	193.29	166.84	314.10			26.72		91.91	11.33	854.71
8	582	Okeechobee	Kissimmee River Br.			Steel-Timber	5.05	102.53	32.58	37.81	12.71					852.76
8	605	Polk	Haines City	Frostproof	26.03	S. A.-R. B. S. T.	653.23	2,092.70	730.74	712.60	98.14	98.55	6.07	98.43	14.60	3,832.56
8	629	Highlands	Lake Annie	East	5.86	R. B. S. T.	261.59	488.21	107.38	2.13	39.23	10.12		61.59	7.47	977.72
8	630	Highlands	Kissimmee River	11 Mi. East	11.23	R. B. S. T.	449.44	139.96	186.37	71.40	53.31	9.22		127.33	15.93	1,052.96
8	636	St. Lucie	Okeechobee Co. Line	12.8 Mi. East	12.80	R. B. S. T.	294.54	432.78	39.70	70.34	117.49	23.93		221.96	9.95	1,210.69
8	647	Highlands	Project No. 629	Project No. 63	5.82	R. B. S. T.	352.75	305.02	117.47	19.34	24.31	1.01		61.18	1.43	888.51
8	696	St. Lucie	Project No. 636	Ft. Pierce	12.08	R. B. S. T.	445.14	271.85	71.69	2.50	101.76	13.45		209.65	10.18	1,126.22
9	547	Madison	Madison	Georgia State Line	12.17	R. B. S. T.	176.41	1,217.83	33.35	1.80		13.59		146.35	24.27	1,613.60
10	56	Leon	Tallahassee	Georgia State Line	18.01	Concrete	426.10	842.41	210.88		182.67	3.10	227.68	172.88	13.83	2,079.55
10	592-A	Franklin	Gulf Co. Line	Sta. 1223-115	8.45	R. B. S. T.	58.91	125.13	74.24	15.25	5.80			99.10	3.97	383.86
10	592-C	Franklin	Apalachicola	Project 592-A	5.17	Shell S. T.	66.26	1,396.48	206.20	47.36		25.54		87.46	3.19	1,835.48
10	644-A	Wakulla	Apalachicola	Crawfordville	7.26	R. B. S. T.	117.73	52.27	63.19		4.78	1.25		50.78	3.97	293.97

STATE ROAD DEPARTMENT OF FLORIDA  
Maintenance Cost By Projects—1932—(Cont'd.)

Road	Proj.	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Super- vision	Engineer- ing	Total
10	644-B	Wakulla	Wakulla River Bridge	Leon Co. Line	5.06	Timber	18.21		28.33							46.54
10	644-C	Wakulla	Wakulla River	Ochlocknee River	14.55	R. B. S. T.	61.03	184.53	75.25		108.48	.87		40.35	3.35	473.86
10	645	Wakulla	Crawfordville	Carrabelle	12.89	S. C. S. T.	196.92	960.03	430.36	2,630.23		96.66		188.24	241.60	4,744.04
10	646	Franklin	Ochlocknee		142.73	S. C. S. T.	142.73	1,054.42	9,058.50	469.76		37.22		127.19	288.15	11,177.97
10	651	Gulf	Port St. Joe	Franklin Co. Line	3.13	Shell S. T.										
10	678	Bay	East Bay Bridge	West Bay Bridge	14.62	R. B. S. T.	110.15	679.10	289.89	88.84	11.60	2.53		261.45	9.78	1,453.34
10	680	Bay	East Bay Bridge		9.09	Concrete-Steel	76.31	1,587.31	262.40	6.50	394.47	5.80		140.89	5.83	2,479.51
10	681	Bay	West Bay Bridge			Concrete-Steel	50.81	68.15	45.65	5,821.91		65.25				6,051.77
10	685	Franklin	Carrabelle	East Point		Concrete-Steel	46.95	36.20	18.10	4,381.21						4,482.46
10	685-B	Franklin	Crooked River Bridge		18.46	R. B. S. T.	91.46	2,327.49	202.60	698.17	66.03	39.35		173.86	14.43	3,613.39
10	688	Bay	West Bay Bridge	Gulf of Mexico	.50	Timber				1,129.99						1,129.99
					3.00	R. B. S. T.	1.67	223.49	108.59	8.27		1.61		142.81	5.48	491.92
					5.81	Sand-Asphalt										
					8.87	Graded										
10	702	Franklin	Rd. No. 10 Lanark	Ochlocknee River	11.54	Concrete	262.94	829.60	44.62	80.75		1.54		44.87	3.47	1,004.85
10	728	Leon	Tallahassee	Wakulla Co. Line	9.67	R. B. S. T.	24.93	3,180.76	58.08	31.20	117.56	2.01	41.50	111.17	9.06	1,206.91
10	740	Gulf	Port St. Joe	Bay Co. Line	18.46	R. B. S. T.	123.02	825.08	327.94	10.25	41.35	36.42		172.14	6.46	3,492.61
10	743	Bay	Gulf Co. Line	East Bay Bridge	8.74	Graded	11.60	386.74	1,579.15	38.05	29.00	1.51		330.19	12.31	1,706.56
10	766	Bay	West Bay	Ebro	11.70	Graded				317.73				156.34	5.82	2,208.21
10	766-B	Bay	W. Bay Bridge		5.27	Graded	1.67	19.92	406.99	6.55		66.92		26.08	.58	528.71
10	767	Bay	Gulf of Mexico	West Bay	16.30	Timber				1,143.98						1,143.98
10	767-B	Bay	W. Bay Br. at W. Bay		17.54	Graded	101.66	629.01	2,089.45			12.14		289.33	29.64	3,131.23
10	787	Walton-Wash.	Freeport	Ebro	17.54	Graded	30.81	137.48	66.74			12.34		111.75	10.09	369.21
10	788	Walton	Freeport	Okaloosa Co. Line	1.75	S. C. S. T.		25.85	47.41			5.75		22.56	.88	1,022.06
10	802-A	Okaloosa	Walton Co. Line	Niceville	6.01	Graded										
						Timber			8.60	173.98						182.58
10	802-B1	Okaloosa	Rocky Bayou Bridge			Ferry			31.90	16,306.95						16,338.85
10	802-B2	Okaloosa	Garniers Bayou Bridge													2,929.39
10	802-C	Okaloosa	Niceville	Camp Walton	10.24	Sand Asphalt		1,341.88	1,461.00	32.40		11.22		77.79	5.10	1,206.91
10	803	Okaloosa	Camp Walton	Santa Rosa Co. Line	11.13	Sand Asphalt	18.09	1,583.51	652.21	2.00		17.98		92.68	6.14	2,372.52
10	832	Santa Rosa	Okaloosa Co. Line	Base Line	4.40	Sand Asphalt	21.25	103.90	306.15	2.70		11.76		123.85	9.60	579.21
10	833	Santa Rosa	Road 1	Project 832	8.01	Graded	271.36	459.31	126.81	1.45		4.14		144.27	14.72	1,022.06
10	1076	Franklin	Apalachicola Riv. Ferry			Steel			208.53	25,496.57						25,705.10
11	708	Jefferson	Georgia State Line	Monticello	7.98	R. B. S. T.	148.56	490.68		6.99		6.91		88.00	14.58	778.37
11	720	Jefferson	Monticello	Capps	9.64	R. B. S. T.	226.34	901.97	12.95	21.16	22.65	8.19		115.95	74.85	1,398.36
12	606	Liberty	Gadsden Co. Line	Bristol	25.00	Graded	182.54	114.20	4,158.69	427.48	36.95	4.32		318.74	24.08	5,230.05
12	690	Gadsden	Liberty Co. Line	Road No. 1	11.92	Graded	197.13	270.66	4,106.98	8.10	67.70	21.19	11.34	96.11	7.21	4,786.42
12	572	Bradford	Starke	Lawtey	7.25	R. B. S. T.	113.12	252.68	122.00	112.93		1.25		67.24	9.58	678.80
13	594	Bradford	Starke	Alachua Co. Line	9.00	R. B. S. T.	84.41	195.91	29.06	321.88	61.03	1.56		101.94	15.03	810.82
13	607	Bradford	Lawtey	Highlands	5.15	R. B. S. T.	154.39	203.49	99.21	61.10	51.04	13.03	10.00	44.98	4.60	641.84
13	607-B	Clay	Bradford Co. Line	Maxville	6.73	R. B. S. T.	97.16	165.65	35.67	24.52	23.70	18.94		54.70	5.65	425.99
13	662	Alachua	Gainesville	Bradford Co. Line	15.86	R. B. S. T.	322.08	14.81	114.45			102.66		161.29		736.32
13	677-A	Levy	Alachua Co. Line	Bronson	6.85	R. B. S. T.	172.19	11.64	60.72	50.62		9.95		36.83	4.76	346.71
13	677-B	Levy	Bronson	Otter Creek	11.58	R. B. S. T.	336.11	97.37		226.32	22.35	29.45		83.97	11.56	807.13
13	677-C	Levy	Otter Creek	Wylly	1.60	R. B. S. T.	195.22	112.20		121.58	22.35	10.53		77.06	10.93	549.87
					8.56	Graded										
13	677-D	Levy	Wylly	Cedar Key	1.70	Graded	189.84	527.47	442.22	1,658.58	33.45	10.70		104.69	14.71	2,981.66
					9.46	R. B. S. T.										
13	701	Duval	Baldwin	Maxville	7.71	Concrete	78.50	430.61	91.83	12.74		5.50	103.75	69.18	6.88	798.99
13	742	Alachua	Levy Co. Line	Gainesville Dist. L.	7.66	R. B. S. T.	175.62	71.38	66.94	54.14	2.40	13.14		63.95	8.63	456.20
13	797	Nassau	Callahan	Verdie	9.36	Graded	4.11	401.15	3.00	8.26		1.62		39.95	2.24	460.33
13	798	Nassau	Callahan	Yulee	15.30	Graded	85.99	1,230.93	122.44	113.02	34.44	5.28		243.81	20.36	1,856.27
13	886	Nassau	Yulee	Fernandina	10.56	Concrete	212.13	750.62	953.19		50.98	10.79		102.50	9.95	2,090.16
13	887	Nassau	Amelia River Bridge							1,753.73						1,753.73
13	1067	Alachua	Rd. No. 2 at Underpass	Archer Dist. Line	8.10	R. B. S. T.	903.69	1,300.42	298.76	1.10		7.31		56.55	7.41	2,575.24
14	50-A	Putnam	Palatka	Station 366-00	6.15	R. B. S. T.	144.30	365.07	45.46	3.76	249.62	51.72		62.44	9.80	932.17
14	50-B	Putnam	Project No. 53-A	Interlachen	9.78	R. B. S. T.	148.85	290.39	20.57	10.25	170.03	45.54		192.54	15.25	793.42
14	50-C	Putnam	Interlachen	Alachua Co. Line	10.02	R. B. S. T.	141.69	223.60	.27		163.01	39.03		108.92	17.47	693.99
14	55	Alachua	Gainesville	Putnam Co. Line	16.69	R. B. S. T.	1,123.83	25.13	125.03	936.23	1.95	28.92		177.74	24.77	2,443.60
14	603	St. Johns-Put.	East Palatka	Hastings	7.65	Brick-R. B. S. T.	210.12	63.20	96.21		64.60	8.82		72.85	11.93	527.73
14	749	Gilchrist	Road No. 19	Trenton	7.78	R. B. S. T.	215.07	350.12	3.54			5.39		77.90	12.76	661.78
14	750-A	Gilchrist	Trenton	Alachua Co. Line	9.98	R. B. S. T.	256.31	552.90	3.54			1.72		87.86	14.18	916.51
14	750-C	Alachua	Gilchrist Co. Line	Newberry-Rd. 5	3.02	R. B. S. T.	75.51	54.82	26.51					16.47	2.30	181.69
14	817	Alachua	Gainesville	Newberry	9.69	R. B. S. T.	474.60	194.21	2,065.80	5.61		7.58		76.28	10.64	2,834.72
14	962	St. Johns	St. Johns Co. Line	Hastings Rd. 4	1.75	Brick	198.58	957.07	12.52	94.70	20.65	2.33		130.91	12.78	1,429.54
					15.55	Graded										

# STATE ROAD DEPARTMENT OF FLORIDA Maintenance Cost By Projects—1932—(Cont'd.)

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Super- vision	Engineer- ing	Total
14	962-B	St. Johns	Matanza's Bridge			Timber-Steel	4.75	6.33		3,015.23						3,026.31
15	555	Hernando	Brooksville	Aripeka	22.50	R. B. S. T.	232.26	1,382.46	1,000.45	665.44	53.57	203.02		254.71	72.26	3,924.17
15	729	Pinellas	St. Petersburg	Clearwater	6.46	Asphalt Block	158.61	690.78	141.28	14.98		35.47	2.41	98.55	7.32	1,149.40
15	730	Pinellas	Clearwater	Tarpon Springs	7.53	Asphalt Block	194.97	162.10	27.15	294.72		15.03	50.65	53.34	3.59	801.55
					4.00	Brick										
15	730-B	Pinellas	Steven's Creek Bridge			Concrete-Steel									40.39	40.39
15	795-A	Pasco	Hernando Co. Line	7 Mi. South	5.51	R. B. S. T.	63.74	132.42	105.99	105.72		95	1.00	48.00	3.14	460.86
15	795-C	Hudson	Pinellas Co. Line	Pinellas Co. Line	12.71	R. B. S. T.	90.82	218.39	191.31	24.00		19.44	1.00	142.36	9.28	696.60
16	963	Marion	Ocala	Rd. No. 5			418.30	360.95	401.61		20.00	28.53		37.40	148.84	1,415.63
17	64-A	Hillsborough	Plant City	Project 64-C	9.61	Concrete	534.75	1,266.36	795.08	134.99	299.67	74.63	164.80	148.98	12.10	3,431.36
17	64-C	Hillsborough	Project No. 64-A	Tampa	9.61	Concrete	679.44	1,360.93	765.10	156.91	212.50	10.87	208.83	148.98	20.03	3,563.59
17	73-A	Polk	Auburndale	West	3.67	Sheet-Asphalt	451.90	704.56	147.29		51.28	96.47	62.25	20.07	4.36	1,538.18
17	73-C	Polk	Lakeland	East	5.28	Concrete	449.73	858.72	702.27		33.66	202.27	108.64	24.32	5.91	2,385.52
17	73-D	Polk	Auburndale	Haines City	9.29	Concrete	706.67	821.22	2,184.36	42.00	33.09	25.30	60.47	117.14	212.09	4,202.34
17	80	Hillsborough	Polk Co. Line	Project 710-D	2.67	Concrete	328.35	64.34	143.87	1.00	25.85		20.88	34.47	2.80	626.61
17	675	Polk	Lakeland	Hillsboro Co. Line	5.16	Sheet Asphalt	585.43	1,925.40	42.39	36.10	371.61	69.89		29.38	154.20	3,214.40
17	710-D	Hillsborough	Project No. 80	Plant City	9.2	Concrete	104.28	45.77	4.53	17.30		8.09	9.67	12.96	1.05	203.65
17	731	Pinellas	Clearwater	Hillsboro Co. Line	8.30	Asphalt Block	560.71	308.13	77.88	30.00		72.75	2.41	122.75	13.70	1,188.33
					3.35	Brick										
17	1065	Hillsborough	Inters. Hillsboro Ave.	Pinellas Co. Line	4.85	Asphalt Block	33.94	467.18	42.06	24.00		162.05	1.00	30.84	2.21	763.28
18	5&5 Ext	DeSoto	Arcadia	East	2.54	Conc. R. S. S. T.	111.39	296.74	92.96	49.75		5.19		74.47	9.47	639.97
					5.41	Brick-R. S. S. T.										
18	16	DeSoto	Proj. 4 East of Sta. 167	Project No. 5	.63	Concrete	13.72	4.18	50.80	1.72		8.44		3.13	.38	82.37
18	655	Highlands	Lake Annie	West	13.79	R. B. S. T.	154.28	724.70	153.84	12.06	12.71	44.10		142.00	17.60	1,261.29
18	667	DeSoto	Dorr Field	Highlands Co. Line	79.28	R. B. S. T.	709.28	67.66	53.96	176.24		9.97		87.25	10.71	485.07
18	1010	Sarasota	Sarasota	Manatee Co. Line	2.00	Sheet Asphalt	503.36	322.47	272.20	421.59		12.89	1.60	261.04	43.89	1,839.04
18-A	1047	DeSoto	Arcadia	Manatee Co. Line	15.75	R. B. S. T.	358.46	122.68	615.48	6,054.41	34.80	19.02		130.39	222.86	7,558.10
					.65	Concrete										
18-A	1048	Manatee	DeSoto Co. Line	Junction Rd. 161	11.75	Bit. Macadam							.80	134.19	9.51	387.18
19	577	Taylor	Salem	Steinhatchee Riv.	18.15	R. B. S. T.	60.63	66.34	7.82	100.93		6.96		150.51	26.06	1,336.00
19	580	Dixie	Steinhatchee River	Cross City	9.71	R. B. S. T.	302.45	752.57	66.81	26.41		11.19		219.88	36.49	2,186.99
19	676-A	Levy	Suwannee River	Chiefland	18.30	R. B. S. T.	406.39	1,132.16	272.92	105.05		14.11		64.53	8.41	422.53
19	676-B	Levy	Bronson	Chiefland	9.95	R. B. S. T.	265.35	65.02		5.09		14.13		136.52	19.51	1,408.53
19	676-C	Levy	Bronson	Marion Co. Line	14.38	R. B. S. T.	263.10	577.84	217.22	160.74	22.35	11.25		114.48	15.38	1,308.13
19	698	Leon	Tallahassee	Jefferson Co. Line	15.04	R. B. S. T.	243.14	513.25	375.30	2.60	22.35	21.63		118.75	9.53	1,551.00
19	699	Jefferson	Leon Co. Line	Wakulla	12.36	Concrete	201.80	857.24	129.06		108.49	127.13		118.75	6.16	1,014.92
19	700	Jefferson	Waukeenhah	Madison Co. Line	7.43	Graded		129.03	739.68	67.11	4.69	1.28		111.46	18.52	2,249.96
19	723	Leon	Tallahassee	Range 23 West	9.27	Graded	60.39	733.83	1,224.60	52.20	40.83	8.13		110.76	8.88	2,389.36
19	724	Leon	Range 23 West	Ochlocknee	11.37	S. C. S. T.	118.10	1,279.61	644.36		225.72	1.93		89.23	6.96	1,279.22
19	726	Dixie	Suwannee River	Cross City	10.58	S. C. S. T.	58.52	794.81	125.59		202.28	1.83		139.04	23.04	1,817.11
19	726-B	Dixie-Levy	Suwannee River Bridge	Cross City	11.56	R. B. S. T.	382.68	1,161.10	8.21	30.39		67.05				892.94
19	744	Madison	Taylor Co. Line	Aucilla River	4.79	Graded	81.80	283.14	606.20	892.94		9.29		117.25	19.19	1,153.21
					1.00	R. B. S. T.				13.69	22.65					
19	745	Taylor	Madison Co. Line	Perry	15.93	R. B. S. T.	496.91	1,678.50	295.22	107.63	20.81	36.72		191.52	31.68	2,858.99
19	756	Marion	Levy Co. Line	Ocala	19.76	R. B. S. T.	1,116.95	1,549.00	126.38	25.48	21.03	14.41		186.57	25.68	3,065.47
19	779	Liberty	Ochlocknee River	Hosford	8.00	Graded	88.44	1,405.64	3,389.32	77.89		1.38		91.66	7.21	5,061.54
19	845	Taylor	Salem	Athens	10.22	Graded	93.97	172.76		.35		3.36		95.88	16.14	382.46
19	846	Taylor	Athens	Perry	6.91	Graded	83.93	178.07		.35		2.90		75.38	12.62	353.25
19	964	Marion	Ocala	Lake Co. Line	31.00	R. B. S. T.	770.61	2,656.33	749.99	79.83	21.24	61.08		293.79	41.19	4,674.06
19	964-B	Marion	Oklawaha River Bridge	at Deek's Bluff		Steel-Timber										
19	965	Lake	Astor	Marion Co. Line	4.70	R. B. S. T.	91.25	153.48	78.27		3.70	12.44		22.10	2.98	364.22
20	500-A	Bay	Panama City	Bayou George	9.10	Concrete	194.60	344.02	52.96	40.43	179.99	1.62	124.50	149.09	5.77	1,092.98
20	500-B	Bay	Bayou George	Nixon	12.33	R. B. S. T.	225.68	881.11	245.77	22.80	49.65	2.13		206.72	8.26	1,642.12
20	500-C	Bay	Nixon	Jackson Co. Line	12.21	R. B. S. T.	118.49	1,418.20	309.49	34.90	4.60	72.34		165.48	6.75	2,130.25
20	515	Jackson	Bay Co. Line	Cotondale	3.54	R. B. S. T.	147.72	2,768.48	1,039.87	775.13	35.19	32.28		212.56	9.06	5,020.29
					12.75	S. C. S. T.										
20	671	Jackson	Godwin's Gin	Cotondale	41.18	S. C. S. T.		400.21	318.70			72		53.68	2.11	816.60
21	1020	Lake	Crow's Bluff	Eustis	4.19	S. C. S. T.	484.42	1,571.00	166.68	40.96	24.91	71.56		265.05	36.30	2,661.86
21	1077	Volusia	Daytona	DeLand	23.50	R. B. S. T.	213.00	27.79	174.57	24.37	3.00	6.27		104.24	16.80	570.04
					9.35	Sheet Asphalt										
					11.40	Brick-Concrete										
						Shoulders										
22	770	Brevard	Indian River City	Orange Co. Line	9.07	R. B. S. T.	453.99	98.54	30.06	67.86	96.32	4.50		177.04	8.25	936.55
22	848	Citrus	Floral City	Withlacoochee Riv.	1.00	R. B. S. T.	74.34	107.55	171.05			50.03		36.74	5.17	444.88

**STATE ROAD DEPARTMENT OF FLORIDA**  
**Maintenance Cost By Projects—1932—(Cont'd.)**

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Super- vision	Engineer- ing	Total
22	948	Orange	Orlando	Lake Co. Line	17.24	Brick	122.61	181.49	372.21	58.07	62.18	26.82		273.14	19.10	1,115.62
22	949	Orange	Orlando	Brevard Co. Line	1.56	R. B. S. T.	776.05	337.01	201.75	125.03	287.59	246.67		453.87	20.32	2,448.29
22	966	Citrus	Crystal River	Inverness	25.00	A. Concrete	192.34	649.53	4.09			169.12		167.35	22.43	1,204.86
22	967	Lake	Sumter Co. Line	Orange Co. Line	17.80	R. B. S. T.	515.71	537.92	138.83		79.45	87.20		204.86	28.41	1,592.38
22	968	Sumter	Citrus Co. Line	Lake Co. Line	18.90	R. B. S. T.	470.85	719.87	1,256.04	188.33	105.80	109.61		214.38	30.77	2,995.65
23	537	Marion	Bellevue	Sumter Co. Line	7.10	R. B. S. T.	313.02	69.36	100.31	2.00	1.00	17.23		38.20	4.95	546.07
23	510	Sumter	Marion Co. Line	Hernando Co. Line	38.33	R. B. S. T.	691.89	841.30	750.06	452.76	17.64	231.06		433.95	59.21	3,477.87
23	943	Pasco	Dade City	Hillsborough Co. Li.	14.59	R. B. S. T.	76.40	1,331.77	344.47	.72		197.48		165.18	28.75	2,144.77
23	944	Hillsborough	Plant City	Sefner	8.49	Brick	186.03	114.13	16.27			43.71	1.00	76.48	212.54	655.96
23	944	Hillsborough	40th St., Tampa	40th St., Tampa	7.89	Brick	37.87	68.99	7.63		5.80			41.47	278.38	474.63
23	945	Hernando	Sumter Co. Line	Pasco Co. Line	7.39	R. B. S. T.	41.32	320.52	104.79	60.53	5.80	54.66		91.60	19.20	698.42
23	946	Pasco	Hernando Co. Line	Dade City	10.49	R. B. S. T.	29.26	282.97	151.86		29.00	94.54		96.13	17.90	701.66
23	969	Sumter	Bushnell	Hernando Co. Line	6.00	R. B. S. T.	140.06	392.64	138.32	98.80	23.35	49.85		50.47	6.83	900.32
23	970	Hillsborough	Plant City	Pasco Co. Line	5.00	Brick	206.32	89.08	161.90	252.20		8.06		133.77	9.07	860.40
					5.30	A. Block										
23	971	Hillsborough	Oak Park	Manatee Co. Line	27.10	A. Block	1,143.57	2,515.62	1,559.18	815.60	193.42	234.17	53.96	420.13	168.31	7,103.96
23	972	Manatee	Hillsborough Co. Line	Palmetto	9.40	Concrete	414.08	94.26	216.80	186.85		81.66	192.55	123.78	9.14	1,321.12
24	62-A	Osceola	Kissimmee	St. Cloud	12.24	R. B. S. T.	467.98	575.08	250.90	17.31	5.53	24.01		209.18	9.37	1,559.36
24	62-B	Osceola	St. Cloud	Holopaw	12.09	R. B. S. T.	125.63	1,240.19	10.01	7.72		5.22		134.59	6.38	1,526.74
24	62-D	Osceola	Holopaw	Deer Park	12.66	R. B. S. T.	200.95	412.55	46.03			11.34		181.18	7.49	859.54
24	534	Brevard	Melbourne	1 Mi. N. Os'la Co. L.	15.79	R. B. S. T.	382.14	522.53	9,287.70	27.39	71.60	5.95		290.53	133.66	10,721.50
25	805	Hendry	Labelle	Lee Co. Line	3.20	Graded	21.75	105.07	2,851.61	43.66	5.80	1.90	21.00	124.71	15.59	3,191.09
					7.80	Marl										
25	806-A	Hendry	Palm Beach	Sta. 580—80	11.00	R. B. S. T.	421.41	276.51	48.88	7.27	241.95	41.39		72.10	8.53	1,118.04
25	806-C	Hendry	Project 808-A	Proj. 806-D	11.00	R. B. S. T.	130.82	2,050.34	38.92	55.32	10.00	10.00		110.26	13.22	2,437.08
25	806-D	Hendry	Project 806-C	Labelle	12.69	R. B. S. T.	106.68	1,506.44	60.63	36.66	23.20	10.19		143.77	17.99	1,905.56
25	807-A	Palm Beach	Belle Glade	Lake Harbor	10.82	R. B. S. T.	672.68	35.91	621.14	144.69	13.01	14.61		184.91	23.32	1,707.47
25	807-B1	Palm Beach	Miami Canal Bridge			Steel-Concrete			.90	972.50	4.65					978.05
25	807-B2	Palm Beach	N. New Riv. Canal Bdg.			Steel-Concrete				1,586.84	11.03					1,608.04
25	807-C	Palm Beach	Lake Harbor	Hendry Co. Line	6.11	R. B. S. T.	447.78	168.10	274.85	4.50		10.17		104.42	4.70	1,023.85
25	870-B	Palm Beach	Hillsborough Canal			Steel Concrete	5.35		1.43	868.50	.54	28.37				904.59
25	891	Palm Beach	Twenty Mile Bend	Belle Glade	19.18	R. B. S. T.	1,193.36	330.58	329.72	223.45	42.72	19.34		273.23	13.52	2,425.92
25	891-B1	Palm Beach	P. Beach Canal Bridge			Steel-Concrete				1,132.97		3.70				1,136.67
25	891-B2	Palm Beach	Hillsborough Canal Br.			Steel-Concrete				843.83						843.83
25	921	Palm Beach	Military Trail	Twenty Mile Bend	17.15	R. B. S. T.	351.53	392.86	1,115.66	64.09	32.44	13.84		293.05	13.13	2,276.60
25	1063	Lee	Olga	Hendry Co. Line	9.50	Bit. Mac.	183.31	58.07	73.16			26.56		72.25	8.43	421.78
26	973	Broward	Ft. Lauderdale	Davie Road	3.50	R. B. S. T.	60.38		47.52	18.57	15.80	8.22		34.33	1.57	186.39
26-A	954	Dade	Miami	Broward Co. Line	9.00	R. B. S. T.	330.52	370.98	94.35	72.45		15.84		270.34	23.71	1,178.19
					6.82	Graded										
27	669-B	Dade	Station 285	Station 825	10.31	R. B. S. T.	660.57	211.45	122.74	5.75		63.23		140.81	8.43	1,212.98
27	669-C	Dade	Project 669-B Sta. 825	Station 1165	12.21	R. B. S. T.	572.34	358.46	120.95	69.85		3.33		174.11	7.58	1,306.62
27	669-D	Dade	Project 669-C Sta. 146	Dade Co. Line	12.25	R. B. S. T.	304.82	50.23	112.75			11.43		157.59	6.90	643.72
27	669-E	Dade	Collier Co. Line	Sec. Line 21-22	4.26	R. B. S. T.	230.38	26.80	15.95	25.65		1.92		59.73	2.83	363.26
27	669-F	Collier	Dade Co. Line	Carnestown	32.24	R. B. S. T.	1,676.56	111.90	243.77	1,447.39		67.26		365.55	45.70	3,970.49
27	669-G	Collier	Carnestown	Palm Hammock	15.96	R. B. S. T.	967.76	16.43	904.38	608.91	29.00	74.65		157.10	20.71	2,779.44
27	669-H	Collier	Palm Hammock	Marco Junction	9.44	R. B. S. T.	194.41	84.21	430.79	3,499.95	91.21	10.76		107.04	15.24	4,433.61
27	669-I	Collier	Naples	Lee Co. Line	13.10	R. B. S. T.	646.11	899.58	165.51	7.78	29.72	80.94		144.69	18.28	1,992.61
27	669-J	Collier	Marco Junction	Naples	5.94	R. B. S. T.	95.92	227.52	107.43	864.36	113.71	29.43		67.37	72.29	1,578.03
27	847	Lee	Ft. Myers	Bonita Springs	21.16	Bit. Mac.	868.72	489.04	689.17	476.81	29.00	134.10		239.93	29.84	2,956.61
27-A	894	Monroe	Dade Co. Line	Collier Co. Line	16.58	Local Road	92.77	89.46	169.24	137.07		2.87		283.33	12.71	787.45
28	72-A	Putnam-Flagler	San Mateo	Project 72-C	11.17	Graded	230.65	1,146.18	3.90			1.93		114.41	18.16	1,575.23
28	72-C	Flagler	Bunnell	Project 72-A	240.41	Graded	1,734.09	52.63			41.73	2.04		141.70	23.02	2,235.62
28	706-A	Putnam-Clay	Keystone Heights	Florahome	11.95	R. B. S. T.	178.53	365.27	10.08	167.36	3.76	6.07		117.36	18.14	866.57
28	706-B	Putnam	Florahome	Palatka	15.08	R. B. S. T.	342.96	1,110.08	963.95	547.21	34.80	42.61		181.21	29.42	3,252.04
28	713	Columbia	Mt. Carrie	Lulu	10.00	R. B. S. T.	182.44	1,435.53	325.34	31.12		29.67	2.22	137.02	21.64	2,173.78
28	714	Union	Lake Butler	Columbia Co. Line	10.20	R. B. S. T.	354.39	999.55	74.05			1.76		139.14	21.99	1,618.58
28	715	Union	Lake Butler	Bradford Co. Line	4.59	R. B. S. T.	77.40	387.06	31.87		23.20	3.99		39.14	6.04	868.70
28	716	Bradford	Starke	Union Co. Line	11.16	R. B. S. T.	51.87	2,143.31	25.49			9.73		134.09	21.82	2,386.51
28	717	Bradford	Starke	Clay Co. Line	9.86	R. B. S. T.	101.89	291.63				1.70		58.68	8.42	462.32
29	780	Okeechobee	Okeechobee	11 Mi. North	10.96	R. B. S. T.	258.68	461.60	15.52	14.47		5.77		166.56	7.69	930.29
29	781	Okeechobee	Project No. 780	11 Mi. North	9.13	R. B. S. T.	294.77	679.69	62.56	20.85		3.53		187.98	8.44	1,257.82
					1.87	Graded										
29	782	Okeechobee	Project No. 781	Osceola Co. Line	6.61	Graded	77.74	191.43	15.52	297.98		1.95		35.17	1.66	622.15
29	869	Glades	Kissimmee River	Indian Prairie Canal	9.00	Graded	5.44	527.28	14.17	38.99		1.56		58.85	7.64	653.93

**STATE ROAD DEPARTMENT OF FLORIDA**  
**Maintenance Cost By Projects—1932—(Cont'd.)**

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Super- vision	Engineer- ing	Total
29	926	Okeechobee	Project No. 780	End of Parrot Ave.	3.18	R. B. S. T.	322.20	92.61	67.09	266.43		13.44		54.34	2.43	818.54
29	974-A	Osceola	Holopaw	Kenansville	17.40	R. B. S. T.	625.50	242.88	10.39	185.70		13.01		247.90	11.07	1,336.45
29	975	Okeechobee	End of Parrott Ave.	Kissimmee River	7.03	R. B. S. T.	248.36	124.02	141.14	1,074.48	13.85	34.56		119.62	5.36	1,761.39
29	1018	Orange	Orlando	Osceola Co. Line	16.10	R. B. S. T.	554.48	61.48	224.63	2.20	5.35	53.56		275.10	12.30	1,189.10
29	1019	Osceola	Orange Co. Line	Ashton	4.00	R. B. S. T.	71.33	1,037.68	63.03	38.83	23.20	22.74		64.86	3.78	1,325.47
29	1021	Glades	Indian Prairie Canal	Wise's Corner	10.90	Marl	354.07	59.87	742.42	701.08	17.40	4.15		254.93	31.83	2,165.75
					12.03	Graded										
30	892	Indian River	Canal	Osceola Co. Line	14.16	R. B. S. T.	1,002.56	6,269.76	1,176.77	27.57	24.70	95.14		260.04	14.17	8,870.71
						M. I. P.										
30	893	Osceola	Indian River Co. Line	Kissimmee	20.20	M. I. P.	17.91	2,302.42	201.18	5.00			124.50	51.03	3.39	2,705.43
30	893-B	Osceola-Polk	Kissimmee River Br.			Steel-Timber				930.22						930.22
30	951	Indian River	Vero Beach	Dyler	5.00	R. B. S. T.	80.95	157.76	165.52	23.53	2.57	4.30		197.12	4.70	546.45
					2.50	M. S. P.										
31	773	Marion	Alachua Co. Line	Ocala	16.53	R. B. S. T.	567.72	78.39	130.25		1.00	28.20		94.33	11.82	911.71
31	861	Alachua	Waldo	Marion Co. Line	26.16	R. B. S. T.	741.29	85.62	94.26	3.49	17.24	58.50		208.06	28.49	1,236.95
32	976	Manatee	Hardee Co. Line	Parrish	23.00	R. B. S. T.	159.71	199.30	117.06	57.58		15.50		218.95	38.08	806.18
32	977	Hardee	Highlands Co. Line	Manatee Co. Line	29.40	R. B. S. T.	944.38	1,122.94	689.75	1,020.44	8.11	154.09		442.63	103.72	4,486.06
32	977-B	Hardee	Peace River Bridge			Timber-Steel										489.39
32	978	Highlands	Avon Park	Hardee Co. Line	3.10	R. B. S. T.	114.54	76.72	131.06	146.65		3.49		9.55	1.62	483.63
33	649	Okaloosa	Crestview	North	11.39	S. C. S. T.	172.45	496.36	36.51	150.97		6.97		124.92	14.40	1,062.58
33	652	Okaloosa	Project No. 649	Walton Co. Line	9.37	S. C. S. T.	171.15	699.34	188.94		10.07	121.42		121.42	12.10	1,203.02
33	733	Walton	Project No. 652	Alabama St. Line	4.24	S. C. S. T.	43.51	522.66	74.47	4.03		2.38		61.64	6.44	907.58
34	1061	Hernando	Spring Lake	Pasco Co. Line	5.00	R. B. S. T.	76.54	200.74	3,179.22		11.75	52.34		53.25	19.25	3,593.09
34	1062	Pasco	Hernando Co. Line	Dade City	10.55	R. B. S. T.	79.42	551.51	78.79		8.82	80.88		88.26	11.52	899.20
35	623	Madison	Greenville	Taylor Co. Line	12.13	R. B. S. T.	360.66	397.20	476.63	60.41	190.16	45.62		145.89	24.17	1,700.74
35	747	Jefferson	Georgia State Line	Aucilla River	6.48	Graded	53.44	101.67	497.21	7.69		7.91		77.92	12.89	758.73
35	748	Madison	Aucilla River	Greenville	6.23	Graded	43.43	155.58	606.51		3.94	7.87		74.94	12.43	904.70
36	979	Sumter	Lake Co. Line	Citrus	18.00	R. B. S. T.	377.91	1,385.15	528.12	6.60		111.60		203.79	27.81	2,640.98
36	980	Lake	Sumter Co. Line	Leesburg	4.00	A. Concrete	132.15	134.02			3.70	21.41		30.16	3.89	409.80
37	837	Santa Rosa	End of Pavement	10.45 MI. North	10.45	Graded	63.09	288.11	1,268.07	6,241.33	271.49	1.81		206.86	21.43	8,362.19
38	981	Marion	Project No. 837	Alabama St. Line	10.01	Graded	25.00	265.92	1,025.79			1.73		198.13	20.56	1,606.13
38	981-B	Marion	Weirsdale	Lake Co. Line	12.54	R. B. S. T.	589.76	867.58	357.77		21.00	37.62		93.89	13.36	2,897.00
38	982	Marion	Oklawaha River Bridge	at Starks' Ferry		Steel				828.74						828.74
38	982	Lake	Marion Co. Line	Umatilla	4.80	R. B. S. T.	136.31	68.38	22.36		3.70	16.01		20.74	2.76	270.26
39	709	Holmes	Alabama State Line	South	9.08	Graded	48.43	68.08	2,136.07	94.40		1.57		165.26	6.12	2,519.93
39	736	Holmes	Project 709	Washington Co. Li.	8.62	Graded	61.76	93.91	1,888.48	21.10		4.15		139.29	4.62	2,213.31
39	737-A	Washington	Holmes Co. Line	Pt. South	8.27	Graded		25.12	52.91			1.44		42.40	1.99	1,222.86
40	734	Walton	DeFuniak Springs	North	7.89	S. C. S. T.	70.14	689.64	226.65	21.36		4.84		123.52	12.60	1,148.75
40	735	Walton	Project No. 734	Alabama St. Line	13.71	S. C. S. T.	65.57	2,565.23	179.99	88.43		10.49		228.65	23.55	3,161.91
40	751	Walton	DeFuniak Springs	South	7.28	S. C.	44.19	603.91	372.15	1.95		22.40		120.20	12.44	1,177.24
40	752	Walton	Freeport	North	8.72	S. C.	62.48	609.08	611.45	101.91		18.99		161.77	16.91	1,582.59
41	823	Okaloosa	Milligan Via. Baker	Hilton's Switch	4.50	S. C. S. T.	16.50	2,661.02	1,410.87	48.85	4.13	5.01		188.00	24.38	4,358.76
					4.68	Graded										
41	824	Okaloosa	Hilton's Switch	Alabama St. Line	9.81	Graded	50.07	551.14	1,673.65	25.33	12.39	4.29		200.96	20.89	2,538.67
42	738	Jefferson	Rd. No. 1 E. of M'cello	Lamont	2.00	Graded	45.76	7.12			22.65	2.35		10.02	1.53	89.43
43	707	Jefferson	Micosukee	Lloyd	5.31	S. C. S. T.	30.51	145.86	743.03	17.79	4.69	1.47		87.75	7.05	1,038.15
					3.19	Graded										
43	722	Jefferson	Lloyd	Wacissa	8.95	Graded	27.38	461.30	1,778.05	61.84		1.55		92.49	7.43	2,434.73
44	955	Seminole	Sanford	St. John's River	6.10	Sheet Asphalt	94.35	294.02	163.33	14.35		39.02	21.48	53.87	8.38	688.80
					3.70	Brick										
					8.65	R. B. S. T.										
44	955-B	Seminole	Geneva Fill Bridge	Brevard Co. Line	6.40	Timber-Steel				517.72						517.72
44	956	Volusia	St. Johns River			Graded	25.00	2.12	2.27	113.94		1.11		23.31	4.81	172.56
44	956-B	Seminole-Vol.	St. Johns River Bridge	& Ferry		Timber				933.82		26.01				959.83
47	727	St. Johns	Spurs	Tocoi	10.59	R. B. S. T.	97.17	1,253.31	453.82	144.32	24.60	1.83		102.68	9.99	2,087.72
47	785	St. Johns	Julington Creek	Orangedale	11.56	Graded	169.57	809.20	1.37	21.32	20.65	2.00		112.09	10.90	1,138.10
47	813	St. Johns	Orangedale	Picolato	10.64	Graded	150.26	931.48	2.74	118.54	17.20	2.94		150.22	13.86	1,387.24
47-A	883	Marion	Citra	Orange Springs	12.30	R. B. S. T.	285.04	82.13	73.21		1.00	23.44		86.77	11.66	563.20
48	901	B'ford-Union	Starke	Road No. 49	11.68	Graded	125.28	382.11	57.35			2.02		103.21	15.04	685.01
48	922	St. Johns	St. Augustine	St. Johns River	19.05	R. B. S. T.	278.69	1,716.94	126.65	1,230.47	4.24	3.99		184.75	17.92	3,563.65
48	923	Clay	St. Johns River	Proj. 924	16.67	R. B. S. T.	309.24	845.96	305.36	93.28	191.14	5.26		190.50	16.98	1,957.72
48	924	Clay	Bradford Co. Line	10 MI. East	9.91	R. B. S. T.	59.95	109.47	61.22		57.08	32.45		88.82	13.30	422.29
48	925	Bradford	Starke	Clay Co. Line	3.07	R. B. S. T.	85.10	64.27	39.03			.53		18.43	24.57	231.90
49	874	Bradford	Sapp	Ralford	5.85	Graded		340.04				9.02		26.80	3.60	379.54
49	888	Union	Ralford	Alachua Co. Line	16.20	R. B. S. T.	422.12	542.55	31.87	3.43	23.20	6.00		190.80	29.73	1,249.70

**STATE ROAD DEPARTMENT OF FLORIDA**  
**Maintenance Cost By Projects—1932—(Cont'd.)**

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Super- vision	Engineer- ing	Total
50	624	Hamilton	Jasper	Suwannee River	6.42	R. B. S. T.	94.03	528.98	34.42		25.85	7.96		64.24	10.16	765.64
50	763	Suwannee	Branford	McAlpin	12.22	R. B. S. T.	48.99	222.31	28.05		32.70	2.11		142.96	22.60	499.72
50	764	Suwannee	McAlpin	Live Oak	11.97	R. B. S. T.	123.40	1,111.27	24.82		32.72	2.07		165.21	25.86	1,485.35
50	765	Suwannee	Live Oak	Suwannee River	6.91	R. B. S. T.	83.36	72.89	3.07		21.75	1.19		42.91	5.69	230.86
52	834	Jackson-Wash.	Chipley	Ala. State Line	16.40	Graded		51.68	416.61							468.29
53	857	Santa Rosa	Rd. 10 near Navarre	Town Point	19.20	Sand Asphalt	77.70	656.58	657.38			25.53		173.91	11.74	1,602.84
54	815	Okaloosa	Shoal River	Valparaiso	13.89	S. C. S. T.		749.19	157.72	2.03				205.02	20.89	1,138.68
54	819	Okaloosa	Crestview South	Shoal River	4.21	S. C. S. T.		923.09	265.02	37.53	40.76	4.27		76.08	8.07	1,354.82
54	819-B	Okaloosa	Shoal River Bridge			Timber		124.96	83.96							208.92
51	1060	Hernando	Brooksville	Spring Lake	6.55	R. B. S. T.	130.54	293.43	223.90		13.63	112.02		48.32	6.28	828.12
55	984-A	Lake	Astor Bridge	Rd. 2 So. Groveland	31.15	R. B. S. T.	663.72	1,762.06	147.82	687.15	88.54	226.59		683.04	92.57	4,351.49
55	984-B	Lake	St. Johns River Bridge			Timber-Steel		12.07	13.42	1,373.43	141.90					1,540.82
55	984-C	Lake	Tavares	Rd. 2 So. Greenville	30.50	R. B. S. T.	1,096.50	1,131.88	1,217.76	1,210.72	59.67	198.97		682.91	104.62	5,703.03
56	863	Columbia	Olustee Creek	Road No. 2	1.51	R. B. S. T.		103.03	830.91			32.13		10.75	1.75	978.57
56	889	Union	Lake Butler	Olustee Creek	13.92	R. B. S. T.		151.03	1,041.23			54.12		234.79	36.30	1,549.36
57	1078	Volusia	Road No. 75	Seminole Co. Line	21.80	R. B. S. T.		20.53	7.24			3.74		125.44	18.46	475.89
57	1079	Seminole	Volusia Co. Line	Sanford	.70	Brick	290.86	1.52		31.89						504.45
57	1079-B	Seminole-Volusia	St. Johns River Bridge			Timber-Steel			39.37	130.13	2.29		11.85	23.77	3.86	601.68
58	711	Gadsden	Road No. 1	Georgia State Line			1.22	195.36	33.06		210.47	14.65		25.09	9.26	489.11
60	854	Walton	DeFuniak Springs	Glendale	9.81	S. C.	44.09	1,702.04	1,017.15	20.96		1.70		194.22	20.14	3,000.30
60	855	Walton	Glendale	Ala. State Line	9.32	S. C.	92.15	61.86	855.64	45.38		1.61		184.51	19.11	1,260.26
64	890	Pinellas	Largo	Gandy Bridge	10.80	A. Block	79.03	71.32	51.37	7.46		30.68		50.16	3.25	293.30
67	804	Glades	Highlands Co. Line	Main's Corner		Brick	357.93	1,377.40	102.71	155.33	33.85	40.93		196.41	23.83	2,288.39
67	818	Glades	Mains Corner	Clewiston	18.53	Marl		94.74	97.13	3,590.23	3,641.31	57.04	46.99	210.09	26.27	7,763.80
67	818-B	Glades	Caloosahatchee Canal	Bridge		Steel-Timber	594.16									594.16
67	910	Highlands	Lake Annie	Glades Co. Line	16.25	R. B. S. T.	170.31	1,587.03	462.51	149.66	23.36	20.03		184.27	23.05	2,620.22
68	911	Bradford	Hampton	Brooker-Stark Rd.	3.45	R. B. S. T.	48.83	88.39				.60		20.70	3.03	161.52
73	985	Pinellas	Moncrief	Dellwood	3.00	Brick	344.46	293.89	24.12	55.37		15.14	2.41	124.67	9.03	869.11
75	1011-A	Volusia	Project No. 1011-C	DeLand	2.75	A. Block										
75	1011-C	Volusia	New Smyrna	Proj. 1011-A	11.00	Concrete	29.53	4.52	26.02	46.93		2.35	62.25	41.21	7.08	219.89
77	878	Gilchrist	Trenton	Bell	2.60	Brick										
77	986	Levy	Chiefland	Sumner	9.00	R. B. S. T.	103.62	21.88	254.12	85.75		125.37	62.25	77.08	12.58	742.65
78	876-A	St. Johns-Duv.	Jacksonville Beach	Proj. 876-C	10.49	Graded		77.46				1.82		50.28	8.11	137.67
78	876-C	St. Johns	Proj. 876-A	St. Augustine	19.40	R. B. S. T.	936.66	227.94	214.46			12.12		162.91	22.98	1,577.07
78	1080	Duval	So. Jacksonville	Atlantic Beach	9.70	R. B. S. T.	223.95	1,112.68	125.63	56.89		1.68		94.06	36.31	1,651.20
78	1080-B	Duval	Pablo Creek Bridge		19.20	R. B. S. T.	60.96	1,855.57	174.00	85.49		3.31		186.21	18.08	2,383.62
81	937	Levy	Otter Creek	Lebanon	14.56	Concrete	989.38	799.60	869.88	20.41		61.89	575.75	216.04	9.46	3,542.41
81	987	Marion	Dunnellon	Lebanon	14.20	R. B. S. T.	27.59	756.70	393.10	1,821.41		11.22		123.96	78.32	7,849.00
85	912	Okeechobee	Okeechobee	Martin Co. Line	5.26	R. B. S. T.	93.21	16.74	56.59	5,607.11	1.00	8.91		19.66	2.46	198.57
85	913	Martin	Okeechobee Co. Line	Indian Town	6.32	R. B. S. T.	128.10	944.98	19.93	148.21		3.77		202.68	8.89	1,456.56
85	988	Martin	Stuart	Indian Town	4.24	Graded										
85	988-B	Martin	St. Lucie Canal Bridge		4.71	R. B. S. T.	413.41	181.74	134.57	19.37	6.74	2.77		12.00	268.33	1,038.93
86	989	Charlotte	Punta Gorda	DeSoto Co. Line	11.30	Graded										
86	990	DeSoto	Charlotte Co. Line		21.20	R. B. S. T.	938.05	84.68	220.31	875.16	1.74	3.66		16.37	362.28	2,502.25
88	825	Holmes	Alabama State Line	Pt. South	10.00	R. B. S. T.	381.30	798.06	152.03	1,025.43	5.80			112.39	119.96	1,035.23
90	816-C	Jackson	Project, 816-C	Road No. 1	12.80	Bit. Macadam	232.54	410.71	281.78	851.72	30.20	100.23		128.33	35.16	2,545.89
90	927	Jackson	Road No. 1	Industrial School	10.37	Graded	22.50	442.19	294.82	159.78		1.79		133.38	54.27	1,108.73
96	820	Jefferson	Monticello	Waukeenah	10.90	Graded	287.83	313.46	963.38	24.16		1.88		77.69	1.88	1,670.28
96	821	Jefferson	Waukeenah	Wacissa	2.00	S. C. S. T.	26.52	311.97	55.99			.33		15.34	.44	410.59
99	991	Alachua	Worthington Springs	Rd. 2 N. Gainesville	9.45	Graded	166.86	447.20	765.40	29.80	22.65	22.04		113.65	73.69	1,641.29
100	992	Marion	Intersection Rd. 28	Lake Co. Line	5.19	Graded	43.80	311.15	653.79	68.27	24.73	4.20		62.44	10.54	1,178.92
100	993	Lake	Marion Co. Line	Altoona	16.10	R. B. S. T.	1,698.10	50.56	144.22	319.48		12.19		107.33	14.77	2,346.65
101	928	Wakulla	Indian Town	Port Myacca	7.22	R. B. S. T.	438.65	36.32	10.02			.76		27.16	3.99	836.35
104	994	Martin	Indian Town	Okeechobee	.70	R. B. S. T.	3.58	9.85	10.02			2.70		20.95	2.42	49.90
111	995	Martin	Stuart	Okeechobee	4.50	Graded	5.49	502.03	875.25	130.89	4.69	.78		46.55	3.75	1,569.43
111	995-B	Martin	St. Lucie River Bridge		10.40	Graded	326.34	131.21	521.67	866.16	25.59	61.45		7.96	177.73	2,118.11
113	1069	Alachua	LaCross	Bradford Co. Line	6.00	R. B. S. T.	264.03	182.45	90.06	21.70	1.74	5.22		18.76	438.88	1,022.84
113	1070	Bradford	Alachua Co. Line	Rd. No. 13	24.20	Graded										
225-239	1072	Marion	Road No. 2	Sumter Co. Line		Steel-Timber	3.96			1,070.42	3.60	.80		30.40	4.24	418.73
						R. B. S. T.	254.48	29.41	32.78	60.39		7.03		102.10	14.30	2,533.19
						R. B. S. T.	2,346.14	18.52		49.66		2.47		36.94	5.16	282.92
						R. B. S. T.	196.96	9.34	3.11			31.41				

**STATE ROAD DEPARTMENT OF FLORIDA**  
**Maintenance Cost By Projects—1932—(Cont'd.)**

Road	Project	County	From	To	Length Miles	Type	Right of Way	Road Bed	Surface	Struc- tures	Guard Rail	Signs	Center Lining	Super- vision	Engineer- ing	Total
115	840	Walton	Bay Co. Line	So. Pt. Washington	10.45	Graded	28.22	67.56	605.62	4.39		1.81		92.98	2.29	802.87
115	841	Walton	Port Washington	Horseshoe Bayou	6.44	Graded	1.67	48.64	33.38	4.44		1.11		36.01	.75	126.00
119	1012	Brevard	Titusville	Road No. 22	116.11	R. B. S. T.	116.11	106.85	5.75	21.26	7.96	.99		55.98	2.32	317.22
123	786	Jackson	Graceville	Campbellton	6.77	S. C. S. T.	98.25	212.34	190.46		34.08	27.61		136.08	6.86	705.68
124	929	Polk	Lakeland	Barlow	11.00	Sheet Asphalt	353.26	23.60	22.06			55.64		25.03	2.16	481.69
125	1075	Escambia	Road No. 1	Lillian Bridge	3.00	S. C. S. T.	17.95	423.28	86.76		14.45	1.81		53.77	4.92	602.94
					2.50	S. C.										
					5.00	Graded										
138	1087	Nassau	Duval Co. Line	Callahan	5.07	Graded	6.03	258.69	72.60	729.47	94	2.83		40.41	3.25	1,039.67
128	1088	Duval	Jacksonville	Nassau Co. Line	3.88	Brick	221.45	187.20		422.66				60.85	4.17	970.96
					1.18	R. B. S. T.										
					6.64	Shell S. T.										
					16.80	R. B. S. T.	167.76	205.75	81.93				3.62	201.89	33.50	702.02
140	914	Flagler	St. Johns Co. Line	Volusia Co. Line	15.10	Sheet Asphalt	109.96	161.94	810.17			11.76		181.43	29.46	1,304.72
140	996	Volusia	Flagler Co. Line	Daytona Beach	13.27	R. B. S. T.	141.35	664.03	114.03	29.46	72.70	52.66	122.40	226.76	10.22	1,433.61
140	915	Palm Beach	Delray	Palm Beach	8.10	R. B. S. T.	260.32	371.71	203.49	771.73	9.91	19.24		117.17	28.72	1,782.29
140	997	Brevard	Sharpes	Bonaventure	4.50	R. B. S. T.	235.03	122.44	445.50	32.44	26.33	10.38		71.53	3.00	946.65
140	998	Indian River	Vero	St. Lucie Co. Line	20.50	R. B. S. T.	461.79	229.86	194.76	29.04	2.57	9.54		325.75	13.65	1,266.96
140	999	St. Lucie	Martin Co. Line	Indian Rl. Co. Line	28.30	R. B. S. T.	488.60	358.15	597.35	338.59	89.47	14.71	3.32	22.24	483.58	2,396.01
140	1000	Martin-Palm B.	St. Lucie Co. Line	Intersection Rd. 4				1.29	1,127.31			1.92				1,136.35
140	1000-B1	Martin	East Coast Canal Br. at	Hobe Sound		Steel-Concrete	5.83	84	3.20	2,942.38		13.67				2,964.52
140	1000-B2	Palm Beach	East Coast Canal Br. at	Jupiter Narrows	9.00	R. B. S. T.	130.51	118.46	119.87	44.22	36.49	17.90		153.82	6.89	462.36
140	1001	Palm Beach	Delray	Broward Co. Line		Timber	10.35	20.63	24.95	406.43				256.96	11.40	1,519.32
140	1001-B	Palm Beach	Boca Raton Inlet Br.													
140	1002	Broward	Palm Beach Co. Line	Dade Co. Line	14.90	R. B. S. T.	251.12	793.61	177.39	3.72	20.00	5.12		219.17	27.41	2,833.68
140	1002-B	Broward	Hillsboro Inlet Bridge			Steel-Concrete				858.85				112.29	5.08	942.81
140	1003	Dade	Broward Co. Line	Miami Beach	7.10	R. B. S. T.	436.17	176.45	138.37	43.20		31.25		191.23	18.56	951.53
140	1026	St. Johns	St. Augustine	Matanza Inlet	9.72	R. B. S. T.	115.91	617.12	1.37	3.94		3.40				2,724.38
140	1081	St. Johns	Matanzas River Br.			Concrete-Steel				2,724.38						
142	953	Glades	Main's Corner	LaBelle	19.33	R. B. S. T.	153.90	252.43	885.33	1,215.90	21.60	57.94		219.17	27.41	2,833.68
143	870	Palm Beach	Belle Glade	Fahokee	14.38	R. B. S. T.	690.97	48.62	1,084.10	364.74	12.60	35.18		245.74	11.02	2,492.97
149	916	Broward	Deerfield	Dade Co. Line	29.82	R. B. S. T.	897.55	258.81	183.30	50.16	30.00	7.65		514.28	22.83	1,964.58
149	916-B1	Broward	South New River Canal			Steel				800.93						800.93
149	916-B2	Broward	North New River Canal			Steel				766.15						766.15
149	917	Dade	Brevard Co. Line	Miami	5.85	R. B. S. T.	341.56	23.01	668.97	766.15		7.91		91.43	4.12	2,099.85
158	1035	Bay	Rd. No. 20	Lynn Haven	3.90	Sand-Asphalt	34.95	323.59	31.85			64		28.88	.72	420.63
161	1049	Manatee	Junction Rd. No. 161	Bradenton	20.20	R. B. S. T.	176.97	590.49	214.28	7,596.44		111.74	1.67	173.87	41.82	8,907.28
162	1004	St. Lucie	Ft. Pierce	West	9.00	R. B. S. T.	329.07	105.37	363.54	101.66	2.57	6.06		103.51	3.90	1,015.68
164	950	Collier	Carnestown	Everglades	2.81	Graded	15.21	376.92	2,733.18	1,429.87	19.70	.97		42.05	5.16	4,623.06
164	1022	Hendry	LaBelle	Collier Co. Line	22.50	Marl	71.94	149.85	1,503.38	1,168.34	17.40	33.64		255.12	31.93	3,231.60
164	1023	Collier	Hendry Co. Line	Fellsmere	40.00	Marl		33.38	4,265.01	1,058.26	40.60	24.89		314.03	43.94	5,780.11
167	1083	Indian River	Sebastian	West 5 Miles	10.00	R. B. S. T.	122.69	56.92	342.25	149.37	6.98	6.43		164.38	6.84	855.86
174	1084	Palm Beach	Lake Worth	Rd. 4 Kelsey City	4.60	R. B. S. T.	143.03	240.60	295.34	229.00	1.74	.79		66.91	2.70	980.11
176	1085	Palm Beach	Martin Co. Line		12.05	R. B. S. T.	226.29	56.79	39.83	50.91	17.29	4.17		170.70	6.88	572.86
176	1085-B	Palm Beach	Loxahatchee Riv. Br.			Concrete-Steel				1,147.17						1,476.67
181	1066	Charlotte	Murdoch	Sarasota Co. Line	17.80	R. B. S. T.	435.17	200.38	328.03	355.72	9.00	36.80		150.63	17.81	1,533.54
181	1066-B	Charlotte	Myakka River Bridge			Timber-Steel				19.32				180.00		199.32
194	1030	Palm Beach	Twenty Mile Bend	Martin Co. Line	26.00	R. B. S. T.	810.18	274.85	2,250.53	1,752.39	92.02	12.85		445.32	19.90	5,658.04
194	1030-B	Palm Beach	W. Palm Beach Canal			Steel-Wood				1,122.98		5.80				1,128.78
194	1031	Martin	Palm Beach Co. Line	Okeechobee Co. Li.	12.80	R. B. S. T.	288.93	124.65	906.58	4,120.64	93.78	17.85		218.74	9.79	5,780.96
194	1031-B	Martin	St. Lucie Canal Bridge			Steel-Wood				936.14		5.80				941.94
194	1032	Okeechobee	Martin Co. Line	Parrott Avenue	11.50	R. B. S. T.	241.58	111.65	838.30	1,978.77	132.82	11.49		196.52	8.82	3,519.95
194	1032-B	Okeechobee	Taylor Creek Bridge			Steel-Wood				997.05		5.80				1,002.85
202	1082	Seminole	Ovida	Orange Co. Line	6.55	R. B. S. T.	146.23	301.87	5,199.66			8.78		28.19	13.24	5,697.97
205	1086	Dade	Tamiami Trail	Royal Palm Park	8.00	Graded	546.79	97.19	110.97	10.75	5.13	23.10		424.47	17.01	1,235.41
					24.60	R. B. S. T.							1.00	142.76	9.23	1,574.51
210	1050	Pasco	Road No. 15	Road No. 5	12.70	R. B. S. T.	616.13	341.08	430.82	31.20		2.19		45.72	5.82	1,120.50
210	1051	Pasco	Road No. 5	Pasco	10.00	R. B. S. T.	175.47	55.53	766.86	17.80	11.48	41.82		89.50	11.66	1,339.61
210	1052	Pasco	Pasco	Dade City	10.70	R. B. S. T.	76.24	956.15	343.03	53.77	2,546.70	103.41				2,943.50
213	1069-B	Alachua	Santa Fe River			Timber				2.87				18.53	2.37	134.70
211	1041	Alachua	Cross Creek	Neland Grove	4.70	R. B. S. T.	104.21					6.72				
220	1053	Sarasota	Road No. 5	DeSoto Co. Line	33.04	R. B. S. T.	634.37	173.74	178.42	438.14			1.60	335.40	23.97	1,825.89
220	1054	DeSoto	Manatee Co. Line	Arcadia	11.96	R. B. S. T.	335.02	139.94	128.25	808.83				100.73	12.39	1,586.21
228	1055	Pinellas	Ozona	Tampa Shores	7.00	Brick	53.95	31.15	27.51	24.00			1.00	26.16	1.94	166.92
229	1056	Pinellas	Safety Harbor	Dunedin	5.00	Asphalt-Block	81.25	56.59	25.90			4.92		26.02	1.76	196.44
240	1073	Marion	Zuber	Levy Co. Line	13.80	R. B. S. T.	191.69		3.11			20.38		25.97	3.36	244.51
244	1074	Marion	Rd. No. 19	R. 47A v. Ft. McCoy	20.43	R. B. S. T.	265.93		3.23			76.05		38.45	5.01	388.67
230	1064	Pinellas	St. Petersburg	Pinellas Point	11.50	Asphalt Block	36.06	59.84	25.70			11.99	2.44	56.36	4.18	196.57
2	30	Col.-Hamilton	Suwannee River Bridge			Concrete-Steel				112.20						112.20
Grand Total					5,711.25		141,409.29	285,689.98	320,939.23	268,399.95	33,063.62	15,648.31	4,918.44	65,978.82	13,343.63	1,149,503.47

Total Cost of Maintenance \$2,459,831.91

STATE ROAD DEPARTMENT OF FLORIDA  
Storm and Betterment Work—1932

Road	Project	County	From	To	Length Miles	Type	Storm	Better- ment
1	11	Baker-Nassau-Duval	Baldwin	Sta. 948 West	15.27	Concrete		\$ 2,673.50
1	21	Baker	Glen St. Mary's East	Station 65	5.64	Concrete		2,898.56
1	23	Duval	Project No. 674	Baldwin	12.83	Concrete		3,161.86
1	38-A	Escambia	Approach to Escambia	River Bridge	3.26	S. C. S. T.	470.17	
1	571	Madison	Greenville	Madison	14.26	R. B. S. T.		3,408.74
2	33	Alachua	Burnett's Lake	Gainesville	12.59	Bit. Mac.		8,937.91
2	44	Lake	Marion Co. Line	Leesburg	10.53	A. Concrete		29.70
2	616	DeSoto	Arcadia	Hardee Co. Line	4.66	R. B. S. T.		52.20
2	687-A	Lake	Helena Run	Groveland	15.00	Sheet Asphalt		2,109.78
3	642	Putnam	Rice Creek	Clay Co. Line	10.19	R. B. S. T.		425.69
3	885	Duval	Jacksonville	Clay Co. Line	4.92	Sheet Asphalt		3,101.02
4	40-E	Brevard	Titusville	Volusia Co. Line	13.61	R. B. S. T.		2,461.43
4	521	Nassau	Project No. 32	Georgia State Line	12.57	R. B. S. T.		81.22
4	546	Brevard	Sharps	5 Mi. North	4.68	R. B. S. T.		150.00
4	640-A	Martin	Sharps	Gomez	8.99	Sheet Asphalt		10,909.27
					8.00	Concrete		
					2.87	Rock Asphalt		
					2.40	Bit. Mac.		8,442.82
4	883	Duval	Jacksonville City Limits	Nassau Co. Line	11.66	Sheet Asphalt		2,709.02
4-A	1097	Duval	Bayard	St. Johns Co. Line	2.94	R. B. S. T.		106,749.52
4-A	896	Monroe	Card Sound	Matecumbe	46.00	R. B. S. T.	119.20	
4-A	900	Monroe	N. End Key Vacus	S. End Key Vacus	14.00	R. B. S. T.		197.45
5	625	Citrus	Crestead	Card Sound	15.00	R. B. S. T.		20,720.65
5	626	Citrus	Holder	Inverness	10.57	R. B. S. T.		1,170.21
5-A	860	Taylor	Inverness	Floral City	6.58	R. B. S. T.		1,633.91
7	881	Escambia	Perry	LaFayette Co. Line	17.36	Concrete		9,412.57
8	562-C	Highlands	Project No. 51	Alabama State Line	8.75	R. B. S. T.		768.75
8	605	Polk	Avon Park	Sebring	26.03	R. B. S. T.		197,988.44
8	696	St. Lucie	Haines City	Protoproof	12.08	S. A. R. S. S. T.		857.34
10	592-C	Franklin	Project No. 636	St. Pier	12.08	R. B. S. T.		65,001.61
10	645	Wakulla	Apalachicola	Project No. 592-A	5.17	Shell S. T.		2,856.24
10	646	Franklin	Crawfordville	Ochlocknee River	14.55	R. B. S. T.		6,849.46
			Ochlocknee	Carrabelle	12.69	S. C. S. T.		
					3.13	Shell S. T.	2,099.28	
10	685	Franklin	Carrabelle	East Point	18.46	R. B. S. T.	3,278.52	
10	702	Franklin	Rd. 10 near Lanark	Ochlocknee River	8.87	Graded	129.72	
12	690	Gadsden	Liberty Co. Line	Road No. 1	11.92	R. B. S. T.		11,496.65
13	607	Bradford	Lawley	Highlands	5.15	R. B. S. T.		699.61
13	886	Nassau	Yulee	Fernandina	10.56	Concrete		2,083.82
14	817	Alachua	Gainesville	Newberry	9.69	R. B. S. T.		25,611.07
15	729	Pinellas	St. Petersburg	Clearwater	6.46	A. Block		103,999.11
15	730	Pinellas	Clearwater	Tarpon Springs	7.53	A. Block		
					4.90	Brick		5,481.35
17	731	Pinellas	Clearwater	Hillsboro Co. Line	8.30	A. Block		
					3.35	Brick		11,929.35
20	500-C	Bay	Seffner	Jackson Co. Line	12.21	R. B. S. T.		111.99
22	848	Citrus	Twenty Mile Bend	Withlacoochee River	1.00	R. B. S. T.		93.98
22	949	Orange		Brevard Co. Line	1.56	R. B. S. T.		
					25.00	A. Concrete		13,535.20
23	944	Hillsboro	Floral City	40th St., Tampa	7.28	Brick		128.05
23	971	Hillsboro	Orlando	Manatee Co. Line	27.10	A. Block		657.02
25	891	Palm Beach		Belle Glade	19.18	R. B. S. T.		51,992.07
26-A	954	Dade	Miami	Broward Co. Line	9.00	R. B. S. T.		
					6.82	Graded		98.11
27	669-W	Collier	Carnestown	Palm Hammock	15.96	R. B. S. T.		11,220.59
29	974-A	Osceola	Holopaw	Kenansville	17.40	R. B. S. T.		3,398.59
29	1021	Glades	Indian Prairie Canal	Wise's Corner	10.00	Marl		
					12.00	Graded		1,037.32
30	892	Indian River	Canal	Osceola Co. Line	14.16	R. B. S. T.		
					6.24	M. I. P.		49,370.40
30	893	Osceola	Indian River Co. Line	Kissimmee	20.20	M. I. P.		114,510.06
30	951	Indian River	Vero Beach	Dyer	5.00	R. B. S. T.		
					2.50	M. I. P.		786.17
31	861	Alachua	Waldo	Marion Co. Line	26.16	R. B. S. T.		55,673.83
32	977	Hardee	Highlands Co. Line	Manatee Co. Line	29.40	R. B. S. T.		3,314.92
33	652	Okaloosa	Project No. 649	Walton Co. Line	9.37	S. C. S. T.		129.00
37	837	Santa Rosa	End of Pavement	10.45 Mi. North	10.45	Graded		109.57
39	736	Holmes	Project No. 709	Washington Co. Line	8.62	Graded		4,062.51
40	735	Walton	Project No. 734	Alabama State Line	13.71	S. C. S. T.		964.04
40	751	Walton	DeFuniak Springs	South	7.28	S. C.		17,149.71
40	752	Walton	Freeport	North	8.72	S. C.		13,451.89
48	922	St. Johns	St. Augustine	St. Johns River	19.05	R. B. S. T.		532.06
48	923	Clay	St. Johns River	Project 924	16.67	R. B. S. T.		2,006.53
54	815	Okaloosa	Shoal River	Valparaiso	13.89	S. C. S. T.		6,770.34
54	819	Okaloosa	Crestview South	Shoal River	4.21	S. C. S. T.		199.99
58	711	Gadsden	Road No. 1	Georgia State Line				43,687.66
64	890	Pinellas	Largo	Gandy Bridge	10.80	A. Block		7,379.56
					1.40	Brick		
67	910	Highlands	Lake Annie	Glades Co. Line	16.25	R. B. S. T.		95.65
78	1080	Duval	So. Jacksonville	Atlantic Beach	14.56	Concrete		1,957.20
85	912	Okeechobee	Okeechobee	Martin Co. Line	6.32	R. B. S. T.		
					4.24	Graded		34,549.53
85	913	Martin	Okeechobee Co. Line	Indian Town	4.71	R. B. S. T.		
					11.30	Graded		65,607.14
86	989	Charlotte	Punta Gorda	DeSoto Co. Line	10.00	R. B. S. T.		6,320.20
86	990	DeSoto	Charlotte Co. Line	Arcadia	12.80	Bit. Mac.		52.20
90	816-C	Jackson	Project 816-C	Road No. 1	10.90	Graded		15,558.66
119	1012	Brevard	Titusville	Road No. 22	4.95	R. B. S. T.		18,229.82
125	1075	Escambia	Road No. 1	Lillian Bridge	3.00	S. C. S. T.		
					2.50	S. C.		
					5.00	Graded		61,800.74
140	915	Palm Beach	Delray	Palm Beach	13.27	R. B. S. T.	310.40	4,002.07
140	1002	Broward	Palm Beach Co. Line	Dade Co. Line	14.90	R. B. S. T.	210.82	
140	1003	Dade	Broward Co. Line	Miami Beach	7.10	R. B. S. T.		4,323.94
164	950	Collier	Carnestown	Everglades	2.81	Graded		23,404.56
194	1030	Palm Beach	Twenty Mile Bend	Martin Co. Line	26.00	R. B. S. T.		14,658.31
194	1031	Martin	Palm Beach Co. Line	Okeechobee Co. Line	12.80	R. B. S. T.		8,606.82
194	1032	Okeechobee	Martin Co. Line	Parrott Avenue	11.50	R. B. S. T.		7,884.56
205	1086	Dade	Tamiami Trail	Royal Palm Park	8.00	Graded		
					24.60	R. B. S. T.		4,689.63
210	1050	Pasco	Road No. 15	Road No. 5	12.70	R. B. S. T.		134.52
210	1051	Pasco	Road No. 5	Pasco	10.00	R. B. S. T.		2,399.69
Totals							\$6,618.11	1,303,710.33

# STATE ROAD DEPARTMENT OF FLORIDA Summary of Maintenance—1931

TYPE	LENGTH	January	February	March	April	May	June	July	August	September	Mileage As of October 1st	October	November	December	Total
FIRST DIVISION															
Sand Asphalt	3.00 Miles	238.50	7.80	106.20	172.20	57.30	33.24	7.20	0.00	0.00	28.77	0.00	0.00	0.00	622.44
Concrete	175.05 Miles	4,109.94	5,876.50	6,115.77	2,786.91	6,333.33	6,119.33	4,131.65	5,200.53	7,114.95	177.17	3,214.56	2,566.45	4,353.92	57,923.84
Rock Base Surface Treated	139.04 Miles	1,073.13	1,517.07	2,502.39	4,469.14	2,780.04	4,291.93	2,462.02	3,828.90	2,349.89	147.59	2,783.01	1,525.94	4,097.33	33,730.79
Sand Clay Surface Treated	350.32 Miles	6,049.79	7,871.96	7,750.42	11,229.15	31,902.33	12,399.02	25,234.57	24,676.40	11,411.74	338.98	8,519.63	6,147.06	10,599.89	163,792.16
Sand Clay	58.39 Miles	3,020.27	3,256.06	2,012.86	710.62	1,164.58	820.08	748.41	911.74	1,135.25	35.13	1,150.47	1,058.69	1,179.63	17,168.86
Graded	322.63 Miles	6,647.16	6,532.72	5,298.23	3,443.00	3,999.41	5,183.34	5,663.44	4,274.18	6,754.91	238.21	1,336.32	4,888.87	2,066.94	62,088.52
Brick & Concrete Shoulders	5.96 Miles	117.63	137.69	49.34	242.52	89.14	53.05	14.81	0.00	4.47	5.96	71.94	0.00	0.00	917.20
Shell Surface Treated	5.17 Miles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.07	0.00	0.00	0.00	10,297.45
Top Soil Surface Treated	17.39 Miles	547.26	927.22	2,111.67	3,154.65	128.82	913.44	357.38	3,014.62	4,453.13	345.30	2,599.01	2,133.28	4,333.03	44,766.05
Bridges	947.70	4,134.99	2,851.60	2,875.76	4,216.79	6,559.59	6,646.55	5,212.49	7,619.96	8,172.94	17.39	9,269.71	9,269.71	34,731.01	170,443.34
Betterment	25,381.65	24,048.71	15,387.63	6,845.75	5,862.36	5,189.09	12,731.04	3,428.61	2,866.02	647.50	0.00	0.00	0.00	0.00	96,356.73
Storm Damage	9,271.75	40,581.80	17,409.35	8,344.83	7,226.53	2,419.55	3,406.39	3,428.61	2,866.02	647.50	0.00	0.00	0.00	0.00	658,561.41
Total	1,076.95 Miles	57,404.78	94,892.52	61,605.20	54,718.82	63,760.83	43,981.66	61,403.46	51,341.38	64,105.62	1,001.27	34,795.26	28,665.63	61,886.25	658,561.41
Sand Asphalt	Av. cost per Mi.	79.50	2.60	35.40	57.40	19.10	11.08	2.40	0.00	0.00	0.00	0.00	0.00	0.00	17.28
Concrete	Av. cost per Mi.	23.53	33.57	34.94	15.92	36.18	34.96	23.60	29.71	40.64	18.14	14.49	24.57	27.52	27.52
Rock Base Surface Treated	Av. cost per Mi.	7.72	10.91	18.00	32.14	19.99	30.87	17.71	27.54	17.26	18.86	10.34	27.76	19.12	19.12
Sand Clay Surface Treated	Av. cost per Mi.	17.27	22.47	22.12	32.05	91.07	35.39	72.03	70.44	32.58	25.13	18.13	31.27	39.16	39.16
Sand Clay	Av. cost per Mi.	51.73	55.78	34.47	12.17	19.94	14.04	12.82	15.61	19.44	32.75	30.14	33.58	27.71	27.71
Graded	Av. cost per Mi.	21.29	20.25	16.42	10.67	12.40	16.06	17.55	13.25	20.94	30.80	20.52	8.68	17.40	17.40
Brick & Concrete Shoulders	Av. cost per Mi.	19.74	23.10	8.28	40.69	14.96	8.90	2.48	0.00	0.75	12.07	20.98	1.94	0.00	0.00
Shell Surface Treated	Av. cost per Mi.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Top Soil Surface Treated	Av. cost per Mi.	31.47	53.32	12.14	181.40	7.41	5.25	20.55	45.65	19.86	17.24	11.80	29.48	40.23	40.23
Av. cost per mile of Routine Maint.		20.25	24.26	24.09	24.34	43.14	27.68	35.86	36.85	27.08	23.35	16.50	22.79	27.18	27.18
SECOND DIVISION															
Concrete	143.42 Miles	2,923.25	3,016.23	2,794.33	2,525.91	577.35	1,327.93	2,513.47	2,210.50	1,694.07	102.26	1,873.10	1,764.90	2,323.11	25,544.15
Rock Base Surface Treated	489.95 Miles	7,475.49	7,406.79	7,053.75	7,141.63	7,624.08	11,318.73	15,730.47	10,339.90	12,610.15	326.51	3,875.56	4,875.08	6,520.74	101,972.37
Graded	91.37 Miles	1,345.62	1,190.99	1,374.54	1,431.75	848.88	1,146.20	897.30	1,417.79	1,418.08	57.38	922.45	594.66	1,051.86	13,640.12
Bituminous Macadam	24.99 Miles	990.29	1,129.64	946.53	681.59	296.23	382.68	131.12	1,032.38	180.54	25.90	367.29	424.28	303.67	6,866.24
Sheet Asphalt	18.93 Miles	402.13	298.11	458.63	351.39	147.90	498.85	343.28	141.02	218.45	45.85	483.33	167.62	562.56	4,073.27
Brick	22.83 Miles	596.53	548.18	184.79	265.39	384.51	165.72	203.24	1,007.55	1,400.72	25.99	622.40	618.34	678.02	4,464.21
Bridges	630.53	571.80	998.36	1,479.27	2,377.66	1,131.30	1,107.55	1,507.90	1,400.72	2,569.96	0.00	2,678.59	2,678.59	2,273.11	18,743.88
Betterment	15,934.10	77,181.52	56,341.92	34,982.99	139,495.41	34,132.22	38,162.17	18,303.81	13,402.34	7,701.05	0.00	9,960.49	9,960.49	548,141.02	548,141.02
Storm Damage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	791.49 Miles	30,297.94	91,343.26	70,152.85	148,859.92	151,426.14	50,339.55	59,051.08	35,156.54	31,062.81	583.89	18,415.14	13,666.47	23,673.56	723,445.26
Concrete	Av. cost per Mi.	20.38	21.03	19.48	17.61	4.03	9.26	17.53	15.41	11.81	18.32	17.26	22.72	16.24	16.24
Rock Base Surface Treated	Av. cost per Mi.	15.26	15.12	14.40	14.13	15.08	22.39	31.11	20.45	24.94	11.87	14.93	19.97	18.30	18.30
Graded	Av. cost per Mi.	14.73	13.03	15.04	14.65	8.68	11.73	9.16	14.50	14.51	16.08	10.36	18.33	13.40	13.40
Bituminous Macadam	Av. cost per Mi.	39.63	45.20	37.88	27.27	11.85	15.31	5.25	41.31	7.22	14.18	16.38	11.72	22.77	22.77
Sheet Asphalt	Av. cost per Mi.	21.24	15.75	24.23	18.56	7.81	26.35	18.13	7.45	11.54	10.54	3.66	12.27	14.79	14.79
Brick	Av. cost per Mi.	26.13	24.01	8.09	11.62	2.57	16.84	7.26	8.90	6.06	23.95	23.79	26.09	15.44	15.44
Av. cost per mile of Routine Maint.		17.35	17.17	16.18	15.24	11.74	18.51	24.32	18.86	19.99	13.95	14.46	19.59	17.28	17.28
THIRD DIVISION															
Brick	77.96 Miles	687.44	1,834.33	1,378.23	1,448.82	3,705.98	2,304.99	1,463.15	1,597.04	1,271.91	41.04	489.29	1,961.56	3,366.81	22,926.62
Concrete	712.50 Miles	11,571.17	24,208.29	16,503.24	14,026.09	15,766.38	19,835.16	18,549.41	16,989.73	17,045.11	118.51	1,906.36	9,180.49	25,221.51	196,923.12
Rock Base Surface Treated	18.38 Miles	530.09	352.75	246.01	140.76	114.51	227.25	294.22	147.89	312.77	17.39	359.69	190.45	128.30	3,044.69
Bituminous Macadam	32.55 Miles	469.38	400.31	382.26	309.66	488.25	375.47	440.83	233.83	534.54	43.98	543.17	719.25	1,817.46	5,547.56
Sheet Asphalt	110.46 Miles	85	34.02	99.31	266.00	188.04	714.85	253.53	504.55	517.63	113.24	432.00	647.69	933.69	2,070.67
Graded	19.39 Miles	1,100.70	1,252.32	73.14	133.06	109.50	52.74	29.13	169.18	142.99	0.00	0.00	0.00	0.00	3,219.26
Local Rock	1.64 Miles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rock Asphalt	37.86 Miles	1,208.18	1,933.95	1,122.08	1,217.34	1,038.69	785.66	1,113.78	3,774.58	1,243.57	0.00	0.00	0.00	0.00	13,437.83
Marl	2,822.28	4,947.24	2,296.16	3,312.52	2,634.21	2,236.94	2,236.94	2,236.94	3,063.13	77,692.81	2,406.08	2,844.69	3,433.17	34,365.48	452,254.85
Bridges	6,987.41	10,821.83	7,165.88	44,313.90	20,489.79	51,963.50	70,449.01	52,724.27	55,744.76	0.00	0.00	0.00	0.00	0.00	7,258.60
Betterment	899.17	1,875.39	2,863.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,258.60
Storm Damage	1,010.74 Miles	26,276.67	47,660.43	30,886.47	68,032.03	44,535.15	78,535.78	94,830.00	78,233.97	79,876.41	1,137.77	91,891.11	55,402.52	50,538.36	746,698.90
Total															
Concrete	Av. cost per Mi.	8.82	23.53	17.68	18.58	47.54	29.57	18.77	20.48	16.32	16.09	16.25	28.41	21.86	21.86
Rock Base Surface Treated	Av. cost per Mi.	16.01	33.49	23.16	19.68	22.13	27.84	26.03	23.84	23.92	10.20	11.66	32.05	22.50	22.50
Bituminous Macadam	Av. cost per Mi.	28.84	19.19	13.38	7.66	6.23	12.36	16.01	8.05	17.02	20.68	10.95	7.38	13.98	13.98

**STATE ROAD DEPARTMENT OF FLORIDA**  
**Summary of Maintenance—1931—(Continued)**

Type	Length	January	February	March	April	May	June	July	August	September	Mileage As Of October 1st	October	November	December	Total
Sheet Asphalt	Av. cost per Mi.	14.42	12.30	11.74	9.51	15.00	11.54	13.54	7.18	16.42	-----	12.35	7.11	26.37	13.12
Graded	Av. cost per Mi.	.01	.31	.90	2.41	1.70	6.47	2.30	4.57	4.69	-----	38.15	6.35	16.05	6.99
Local Rock	Av. cost per Mi.	56.77	64.59	37.72	6.86	5.64	2.72	1.50	8.72	7.37	-----	2.12	3.73	3.60	13.95
Rock Asphalt	Av. cost per Mi.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-----	0.00	0.00	0.00	0.00
Marl	Av. cost per Mi.	31.91	51.08	29.64	32.15	27.44	20.75	29.42	99.69	32.85	-----	0.00	0.00	0.00	39.44
Av. cost per mile of Routine Maint.		15.25	29.39	19.59	17.36	21.18	24.04	21.91	23.17	20.84	-----	10.36	11.49	28.73	20.28
Brick											-----	11.92	15.78	22.75	16.82

**FOURTH DIVISION**

Brick	20.20 Miles	419.23	334.87	94.07	16.16	181.58	289.70	486.28	526.77	283.94	0.00	0.00	0.00	0.00	2,632.60
A. Concrete	45.32 Miles	92.49	125.84	362.90	998.39	1,003.35	868.97	1,791.69	349.83	474.63	10.54	0.00	0.00	0.00	6,068.09
Rock Base Surface Treated	949.66 Miles	9,413.33	10,704.59	8,344.37	10,734.16	10,488.42	14,902.79	14,658.09	19,792.62	14,354.19	793.67	8,839.15	10,625.43	11,264.80	144,121.94
Bituminous Macadam	36.80 Miles	285.72	245.34	312.87	393.67	565.64	387.77	459.33	457.34	273.07	33.99	762.59	649.23	384.23	5,176.80
Sheet Asphalt	66.64 Miles	1,448.43	2,209.48	2,306.44	1,810.11	2,118.91	1,222.60	1,193.26	941.26	815.68	12.11	818.77	431.84	1,108.26	16,425.04
Bituminous Concrete	19.80 Miles	521.17	343.31	169.23	158.54	473.06	374.40	219.57	108.68	217.80	69.88	669.13	481.83	1,404.81	5,141.53
Brick-Rock Shoulders Surface Treated	27.19 Miles	899.99	601.74	794.49	206.07	328.57	935.76	292.52	1,327.26	907.97	0.00	0.00	0.00	0.00	6,288.37
Graded	67.03 Miles	852.95	786.62	309.03	132.14	26.24	629.39	296.79	478.46	599.55	72.40	958.06	1,275.21	2,031.43	8,375.87
Bridges		448.21	359.91	442.53	537.76	543.82	625.60	553.87	883.79	657.69	-----	156.15	146.35	159.23	5,984.91
Betterment		609.76	2,590.91	199.44	9,534.37	32.07	2,580.31	5,135.09	4,449.94	6,140.61	-----	6,617.59	22.95	50.38	37,963.42
Storm Damage		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-----	0.00	0.00	0.00	0.00
Total	1,232.64 Miles	14,991.28	18,302.61	13,335.37	24,515.37	15,761.66	23,287.29	25,086.49	29,315.95	24,725.13	992.59	18,821.44	13,632.84	16,403.14	238,178.57
Brick	Av. cost per Mi.	20.75	16.58	4.66	.80	8.99	14.34	24.07	26.08	14.66	-----	0.00	0.00	0.00	19.19
A. Concrete	Av. cost per Mi.	2.04	2.78	8.01	22.03	22.14	19.17	39.53	7.72	10.47	-----	0.00	0.00	0.00	11.17
Rock Base Surface Treated	Av. cost per Mi.	9.91	11.27	8.79	11.18	13.60	15.63	17.10	14.30	11.14	-----	11.14	13.39	14.19	13.27
Bituminous Macadam	Av. cost per Mi.	7.76	6.67	8.50	10.70	15.37	10.54	12.43	7.42	22.44	-----	19.10	11.30	12.06	11.30
Sheet Asphalt	Av. cost per Mi.	21.74	33.16	34.61	27.16	31.80	18.35	17.91	14.12	12.74	-----	67.61	35.65	91.52	33.82
Bituminous Concrete	Av. cost per Mi.	26.32	17.34	8.55	8.01	17.39	13.76	8.07	4.00	8.61	-----	9.58	6.90	20.10	12.33
Brick-Rock Shoulders Surface Treated	Av. cost per Mi.	33.10	22.13	29.22	7.36	12.08	34.42	10.76	48.81	33.99	-----	0.00	0.00	0.00	19.27
Graded	Av. cost per Mi.	12.72	11.74	4.61	2.18	0.43	10.21	4.81	7.76	9.79	-----	13.23	17.61	28.06	10.25
Av. cost per mile of Routine Maint.		11.30	12.45	10.30	11.93	12.42	16.04	15.86	19.61	14.66	-----	12.14	13.56	16.31	13.88

**FIFTH DIVISION**

Concrete	43.19 Miles	684.11	1,002.47	729.48	771.78	959.98	1,723.08	1,272.11	1,535.85	1,311.09	43.82	1,978.89	839.36	2,262.06	15,070.26
Rock Base Surface Treated	345.95 Miles	3,059.15	3,004.32	4,509.53	6,969.82	4,103.43	4,626.27	7,138.76	4,443.33	4,306.12	742.35	11,172.73	8,064.46	10,390.84	71,788.76
Brick-Rock Shoulders Surface Treated	35.05 Miles	1,191.29	842.93	1,017.08	715.48	1,472.29	878.22	803.76	1,195.21	3,872.60	16.03	133.43	128.80	399.24	12,650.33
S. Asp't-Rock Shoulders S'face Treat.	26.03 Miles	426.85	203.30	147.08	409.90	292.76	226.21	331.99	121.32	258.21	26.03	128.33	95.15	76.97	2,718.07
Sheet Asphalt	33.73 Miles	786.48	650.38	513.25	351.03	1,528.96	1,061.44	1,346.43	1,466.13	851.02	62.82	861.25	670.57	1,516.40	11,583.34
Asphalt Block	75.88 Miles	744.23	817.96	863.46	1,009.84	2,049.93	1,184.52	1,611.40	968.24	968.24	78.67	1,318.29	732.56	13,552.57	25,711.74
Brick	33.21 Miles	302.26	926.30	405.68	288.85	603.48	459.13	464.34	136.16	263.96	33.17	301.04	646.81	3,297.53	8,095.54
Bituminous Macadam	11.81 Miles	129.28	383.00	421.46	269.38	469.80	649.36	550.16	402.16	352.45	45.77	349.23	290.54	5,233.74	5,233.74
Bituminous Concrete	18.18 Miles	339.88	888.18	389.29	425.46	386.15	8.02	92.91	401.73	151.13	41.77	202.65	265.51	862.07	3,562.06
Conc.-Rock Shoulders Surface Treated	15.01 Miles	44.64	107.66	46.07	9.25	393.04	132.68	24.10	121.37	34.41	9.60	1.37	47.92	106.47	1,068.98
Marl	25.02 Miles	1,772.17	1,569.22	805.21	1,041.00	892.50	820.70	972.26	950.04	1,169.10	135.38	2,768.82	1,949.17	5,291.23	20,001.42
Graded	40.15 Miles	277.97	209.44	298.62	251.22	0.00	120.52	356.13	389.94	343.04	40.31	1,106.34	668.60	1,814.20	6,094.05
9' Rock Base Surface Treated	5.51 Miles	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bridges		344.24	406.02	291.40	249.35	258.03	269.64	937.16	912.29	1,023.73	-----	1,246.56	1,400.07	727.91	8,154.14
Betterment		18,112.04	3,282.96	4,467.91	2,457.40	1,118.82	6,085.13	4,377.78	6,418.34	6,591.52	-----	6,418.04	5,593.68	27,447.68	92,375.35
Storm Damage		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-----	0.00	0.00	0.00	0.00
Total	708.72 Miles	28,194.59	14,294.14	14,905.52	14,368.84	14,874.94	18,248.57	20,279.31	19,352.61	21,496.62	1,275.72	27,986.97	21,393.20	68,712.07	284,107.78
Concrete	Av. cost per Mi.	15.84	23.21	16.89	17.87	22.23	39.90	29.45	35.56	30.36	-----	45.16	19.15	51.62	28.93
Rock Base Surface Treated	Av. cost per Mi.	8.84	8.68	13.04	20.15	11.34	12.79	19.74	12.28	11.90	-----	15.05	10.86	14.00	13.22
Brick-Rock Shoulders Surface Treated	Av. cost per Mi.	33.99	24.05	29.02	20.41	42.01	25.06	22.93	34.10	11.05	-----	8.32	8.03	24.90	26.67
S. Asp't-Rk. Shoulders Surface Treat.	Av. cost per Mi.	16.40	7.81	5.65	15.75	11.25	8.69	12.75	4.66	9.92	-----	4.93	3.66	2.96	8.70
Sheet Asphalt	Av. cost per Mi.	22.72	19.28	15.22	10.41	42.79	29.71	37.68	41.03	23.82	-----	13.71	10.67	24.14	24.27
Asphalt Block	Av. cost per Mi.	9.81	10.78	11.38	13.31	27.02	15.61	21.24	11.32	12.76	-----	16.76	9.31	172.27	27.63
Brick	Av. cost per Mi.	9.10	27.89	12.22	8.70	18.17	13.52	13.98	4.10	7.55	-----	9.08	19.50	99.41	20.33
Bituminous Macadam	Av. cost per Mi.	10.95	32.43	35.69	22.81	39.78	54.98	46.58	34.05	29.84	-----	7.64	6.35	41.12	30.19
Bituminous Concrete	Av. cost per Mi.	18.70	48.85	21.41	0.00	21.24	0.44	5.11	22.10	8.31	-----	4.85	6.36	20.64	14.83
Conc. Rock Shoulders Surface Treat.	Av. cost per Mi.	2.98	7.17	3.07	0.62	26.19	8.84	1.61	8.09	2.29	-----	0.14	4.99	11.09	6.42
Marl	Av. cost per Mi.	70.83	62.72	32.18	41.61	35.67	32.80	38.86	37.97	46.73	-----	20.45	14.40	39.08	39.44
Graded	Av. cost per Mi.	6.92	5.22	7.44	6.26	0.00	8.87	8.87	9.71	8.54	-----	27.45	16.59	45.01	12.62
9' Rock Base Surface Treated	Av. cost per Mi.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-----	0.00	0.00	0.00	0.00
Av. cost per mile of Routine Maint.		13.74	14.96	14.32	16.46	18.92	16.37	20.51	16.55	19.11	-----	15.93	11.29	31.78	17.50

STATE ROAD DEPARTMENT OF FLORIDA  
Summary of Maintenance—1931—(Continued)

		January	February	March	April	May	June	July	August	Septem- ber	October	November	December	Total
FIRST DIVISION	Av. cost per Mi. of Routine Maint.	20.25	24.26	24.09	24.34	43.14	27.68	35.86	36.85	27.08	23.35	16.50	22.79	27.18
SECOND DIVISION	Av. cost per Mi. of Routine Maint.	17.35	17.17	16.18	15.24	11.74	18.51	24.32	18.86	19.99	13.95	14.46	19.59	17.28
THIRD DIVISION	Av. cost per Mi. of Routine Maint.	15.25	29.39	19.59	17.36	21.18	24.04	21.91	23.17	20.84	10.36	11.49	28.73	20.28
FOURTH DIVISION	Av. cost per Mi. of Routine Maint.	11.30	12.45	10.30	11.93	12.42	16.04	15.86	19.61	14.66	12.14	13.56	16.31	13.88
FIFTH DIVISION	Av. cost per Mi. of Routine Maint.	13.74	14.96	14.32	16.46	18.92	16.37	20.51	16.55	19.11	15.93	11.29	31.78	17.50
FIRST DIVISION	Total cost of Routine Maintenance	21,803.68	26,127.02	25,946.88	26,208.19	46,455.15	29,813.43	38,619.48	39,685.66	29,166.51	23,375.81	16,517.24	22,822.21	346,541.26
FIRST DIVISION	Total cost of Bridge Maintenance	947.70	4,134.99	2,851.60	2,875.76	4,216.79	6,559.59	6,646.55	3,014.62	4,453.13	2,599.01	2,133.28	4,333.03	44,766.05
FIRST DIVISION	Total cost of Betterment	25,381.65	24,048.71	15,387.63	16,845.75	5,862.36	5,189.09	12,731.04	5,212.49	7,619.96	8,172.94	9,260.71	34,731.01	170,443.34
FIRST DIVISION	Total cost of Storm Damage	9,271.75	40,581.80	17,409.35	8,344.83	7,226.53	2,419.55	3,406.39	3,428.61	2,866.02	647.50	754.40	0.00	96,356.73
	Sub-total	57,404.78	94,892.52	61,605.20	*54,178.82	*63,760.83	43,981.66	61,403.46	51,341.38	44,105.62	34,795.26	28,665.63	61,886.25	**658,561.41
SECOND DIVISION	Total cost of Routine Maintenance	13,733.31	13,589.94	12,810.57	12,397.66	9,553.07	15,058.90	19,781.36	15,344.83	16,259.75	8,144.13	8,444.88	11,439.96	156,560.36
SECOND DIVISION	Total cost of Bridge Maintenance	630.53	571.80	998.36	1,479.27	2,377.66	1,148.43	1,107.55	1,507.90	1,400.72	2,569.96	2,678.59	2,273.11	18,743.88
SECOND DIVISION	Total cost of Betterment	15,934.10	77,181.52	56,341.92	134,982.99	139,495.41	34,132.22	38,162.17	18,303.81	13,402.34	7,701.05	2,543.00	9,960.49	548,141.02
SECOND DIVISION	Total cost of Storm Damage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-total	30,297.94	91,343.26	70,152.85	148,859.92	151,426.14	50,339.55	59,051.08	35,156.54	31,062.81	18,415.14	13,666.47	23,673.56	723,445.26
THIRD DIVISION	Total cost of Routine Maintenance	15,567.81	30,015.97	19,804.27	17,541.73	21,411.15	24,296.12	22,144.05	23,416.80	21,068.52	11,792.22	13,074.10	32,687.23	252,819.97
THIRD DIVISION	Total cost of Bridge Maintenance	2,822.28	4,947.24	2,296.16	3,312.52	2,634.21	2,276.16	2,236.94	2,092.90	3,063.13	2,406.08	2,844.69	3,433.17	34,365.48
THIRD DIVISION	Total cost of Betterment	6,987.41	10,821.83	7,165.88	44,313.90	20,489.79	51,963.50	70,449.01	52,724.27	55,744.76	77,692.81	39,483.73	14,417.96	452,254.85
THIRD DIVISION	Total cost of Storm Damage	899.17	1,875.39	1,620.16	2,863.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,258.60
	Sub-total	26,276.67	47,660.43	30,866.47	68,032.03	44,535.15	78,535.78	94,830.00	78,233.97	79,876.41	81,891.11	55,402.52	50,538.36	746,698.90
FOURTH DIVISION	Total cost of Routine Maintenance	13,933.31	15,351.79	12,693.40	14,443.24	15,185.77	19,611.38	19,397.53	23,982.22	17,978.83	12,047.70	13,463.54	16,193.53	194,230.24
FOURTH DIVISION	Total cost of Bridge Maintenance	448.21	359.91	442.53	537.76	543.82	1,095.60	553.87	883.79	857.90	156.15	146.35	159.23	5,984.91
FOURTH DIVISION	Total cost of Betterment	609.76	2,590.91	199.44	9,534.37	32.07	2,580.31	5,135.09	4,449.94	6,140.41	6,617.59	22.95	50.38	37,963.42
FOURTH DIVISION	Total cost of Storm Damage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-total	14,991.28	18,302.61	13,335.37	24,515.37	15,761.66	23,287.29	25,086.40	29,315.95	24,725.13	18,821.44	13,632.84	16,403.14	238,178.57
FIFTH DIVISION	Total cost of Routine Maintenance	9,738.31	10,605.16	10,146.21	11,662.09	13,410.35	11,890.15	14,964.37	12,021.98	12,891.37	20,322.37	14,399.45	40,536.48	183,578.29
FIFTH DIVISION	Total cost of Bridge Maintenance	344.24	406.02	291.40	249.35	345.77	269.64	337.16	912.29	1,072.91	1,246.56	1,400.07	727.91	8,154.14
FIFTH DIVISION	Total cost of Betterment	18,112.04	3,282.96	4,467.91	2,457.40	1,118.82	6,089.18	4,377.78	6,418.34	6,591.52	6,418.04	5,593.68	27,447.68	92,375.35
FIFTH DIVISION	Total cost of Storm Damage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-total	28,194.59	14,294.14	14,905.52	14,368.84	14,874.94	18,248.97	20,279.11	19,352.61	21,406.69	27,986.97	21,393.20	68,712.07	284,107.78
	Grand total cost of all Maint.	157,165.26	266,492.96	190,885.41	310,494.98	290,358.72	214,393.25	260,650.34	213,400.45	201,266.59	191,909.92	132,760.66	221,213.38	2,650,991.92
*Average cost per mile of all Routine Maintenance		15.48	19.81	16.89	17.06	21.94	20.88	23.84	23.74	20.39	15.16	13.20	24.78	19.43

\*Total includes cost on Martin Building Grounds.  
\*\*Total includes \$454.03 cost on Martin Building Grounds

# STATE ROAD DEPARTMENT OF FLORIDA Summary of Maintenance—1932

Type	LENGTH	January	February	March	April	May	June	July	August	September	October	November	December	Total
FIRST DIVISION														
Sand Asphalt	6.70 Miles	0.00	0.00	0.00	15.21	11.12	42.80	177.55	38.20	93.50	27.30	13.50	17.15	436.33
Concrete	58.37 Miles	1,532.67	1,913.76	2,525.02	2,261.66	1,604.81	1,978.17	2,347.20	1,660.74	1,837.03	323.65	233.43	652.89	18,871.03
Rock Base Surface Treated	948.46 Miles	10,642.59	9,675.33	10,974.42	10,941.57	14,280.19	14,874.98	15,685.95	15,470.02	19,678.77	10,804.76	2,028.74	6,222.55	141,279.87
Brick-Rock Shoulders Surface Treated	26.03 Miles	110.03	139.81	433.54	680.81	118.89	178.77	131.65	132.90	231.98	68.20	35.20	145.53	2,407.31
S. A.-Rock Shoulders Surface Treated	26.03 Miles	265.13	458.02	168.45	305.21	648.20	369.91	574.96	389.50	371.72	226.19	25.65	29.62	3,832.56
Conc.-Rock Shoulders Surface Treated	9.60 Miles	55.71	46.38	68.28	19.00	36.79	138.77	50.39	24.02	47.14	28.23	40.53	86.55	641.79
Asphalt Block	101.77 Miles	1,388.02	1,323.30	1,383.98	804.38	1,274.79	740.47	2,016.98	683.14	1,258.96	579.41	348.25	611.17	12,412.85
Brick	44.03 Miles	336.58	135.53	43.91	52.79	164.65	268.85	438.25	1,046.36	1,155.00	346.61	265.11	166.17	4,419.81
Bituminous Macadam	77.17 Miles	497.48	302.08	621.23	687.03	1,709.27	1,507.16	2,735.89	1,289.62	1,896.38	1,488.79	187.15	494.65	13,416.75
Asphaltic Concrete	314.17 Miles	314.17	399.19	539.63	425.99	532.84	783.32	988.03	533.14	567.32	293.86	95.67	711.34	6,184.90
Sheet Asphalt	102.57 Miles	814.24	1,493.97	1,090.73	952.56	2,574.03	1,357.95	889.97	1,815.83	1,035.57	739.98	159.03	739.03	13,572.89
Marl	143.18 Miles	412.66	241.87	1,132.86	1,692.07	1,425.18	564.41	632.50	458.93	373.65	483.52	104.15	329.31	7,851.11
Graded	54.84 Miles	901.03	1,117.89	2,888.66	2,053.68	1,130.87	1,451.81	100.50	1,265.40	1,928.74	1,544.04	972.39	1,364.30	16,719.31
Bridges		9,582.64	14,218.37	19,853.14	13,768.23	14,839.55	14,352.14	54,309.25	16,869.66	8,315.81	18,962.49	162,375.86	32,976.37	380,423.51
Betterment		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S'torm Damage		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1,640.52 Miles	29,144.22	33,648.69	43,929.39	37,903.24	43,693.67	41,741.56	84,385.25	48,847.06	41,401.30	36,977.30	167,416.52	45,758.19	654,846.39
Sand Asphalt	Av. Cost Per Mi.	0.00	0.00	0.00	2.27	1.66	6.39	26.50	5.70	13.96	4.07	2.01	2.56	5.43
Concrete	Av. Cost Per Mi.	26.26	32.79	43.26	38.75	27.49	33.89	40.21	28.45	31.47	5.54	4.00	11.19	26.94
Rock Base Surface Treated	Av. Cost Per Mi.	11.22	10.20	11.57	11.54	14.05	15.80	16.54	16.31	20.75	11.39	2.14	6.56	12.51
Brick-Rock Shoulders Surface Treated	Av. Cost Per Mi.	4.23	5.37	16.66	26.15	4.57	6.87	5.05	5.10	8.91	2.62	1.35	5.59	7.70
S. A.-Rock Shoulders Surface Treated	Av. Cost Per Mi.	10.18	17.60	6.47	11.72	24.90	14.21	22.09	14.96	14.28	8.69	0.99	1.14	12.27
Conc.-Rock Shoulders Surface Treated	Av. Cost Per Mi.	5.80	4.83	7.11	1.98	3.83	14.46	5.25	2.50	4.91	2.94	4.22	9.02	5.57
Asphalt Block	Av. Cost Per Mi.	13.64	13.00	13.60	7.90	12.53	7.28	19.82	6.71	12.37	5.69	3.42	6.01	10.16
Brick	Av. Cost Per Mi.	7.64	3.08	1.00	1.20	3.73	6.11	9.95	23.76	26.23	7.87	6.02	3.77	8.38
Bituminous Macadam	Av. Cost Per Mi.	6.45	3.91	8.05	8.90	22.15	19.53	35.45	16.71	24.57	19.29	2.43	6.41	14.49
Asphaltic Concrete	Av. Cost Per Mi.	7.52	9.56	12.92	10.20	12.76	18.75	23.65	12.76	13.58	7.04	2.29	17.03	12.34
Sheet Asphalt	Av. Cost Per Mi.	7.94	14.56	9.76	9.29	25.10	13.24	8.68	17.70	10.10	7.21	1.55	7.20	11.03
Marl	Av. Cost Per Mi.	16.00	15.25	16.03	22.65	23.34	21.87	23.09	50.07	18.23	7.40	3.72	8.46	18.84
Graded	Av. Cost Per Mi.	7.52	4.41	20.66	30.85	25.99	10.31	11.53	8.37	6.81	8.82	1.92	6.00	11.93
Av. Cost Per Mi. of Routine Maint.		11.37	11.16	12.92	13.46	16.89	15.81	18.27	18.72	18.99	10.04	2.48	6.96	13.09
SECOND DIVISION														
Rock Base Surface Treated	924.20 Miles	8,695.36	9,006.38	8,415.73	10,824.55	11,799.58	10,860.48	1,742.32	13,398.38	12,895.50	4,403.75	3,066.10	5,464.45	114,572.58
Asphaltic Concrete	10.54 Miles	0.00	50.14	85.22	54.83	116.60	57.65	76.53	302.98	103.62	294.34	88.09	48.35	1,278.35
Bituminous Macadam	33.99 Miles	417.11	133.72	172.78	271.15	93.43	519.87	302.63	470.28	417.77	108.89	589.27	1,932.76	5,429.66
Sheet Asphalt	12.89 Miles	93.11	202.71	159.05	200.73	109.01	145.70	94.12	329.89	227.41	445.73	68.47	1,399.50	3,475.43
Graded	92.97 Miles	822.22	745.15	1,167.23	1,075.16	910.98	793.65	1,091.25	1,100.75	1,296.28	275.68	164.58	611.36	10,054.29
Concrete	70.08 Miles	575.16	654.76	1,547.30	1,030.41	699.69	704.12	687.70	710.59	1,524.07	228.88	164.69	522.14	9,031.51
Bridges		158.46	149.77	231.06	145.00	197.28	178.72	12,380.48	9,291.70	17,197.52	14,887.16	5,300.88	27,945.91	108,106.35
Betterment		0.00	8,344.45	6,028.33	9.00	1,069.72	5,651.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S'torm Damage		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1,144.67 Miles	10,761.42	19,287.08	17,806.70	13,610.83	14,987.29	18,911.39	30,553.30	26,254.25	35,457.70	21,668.68	10,148.77	38,478.93	257,926.31
Rock Base Surface Treated	Av. Cost Per Mi.	9.41	9.75	9.11	11.71	12.77	11.75	17.03	14.50	13.95	4.76	3.32	5.91	10.33
Asphaltic Concrete	Av. Cost Per Mi.	0.00	4.76	8.08	5.20	11.06	5.47	7.26	28.75	9.83	27.93	8.36	4.59	10.10
Bituminous Macadam	Av. Cost Per Mi.	12.27	3.93	5.08	7.98	2.75	15.29	8.90	13.84	12.29	3.20	17.34	56.86	13.31
Sheet Asphalt	Av. Cost Per Mi.	7.22	15.73	12.34	15.57	8.46	11.30	7.30	25.59	17.64	34.58	5.03	108.57	22.47
Graded	Av. Cost Per Mi.	8.84	8.01	12.55	11.56	9.80	8.54	11.74	11.84	13.94	2.96	1.77	6.58	9.01
Concrete	Av. Cost Per Mi.	8.21	9.34	22.08	14.70	9.85	10.05	9.68	10.14	21.75	3.26	2.35	7.45	10.74
Av. Cost Per Mi. of Routine Maint.		9.26	9.43	10.09	11.76	11.99	11.43	15.71	14.25	14.38	5.03	3.62	8.27	10.47
THIRD DIVISION														
Concrete	186.83 Miles	2,423.99	2,907.30	4,610.41	4,784.42	3,389.00	1,834.48	2,651.30	2,443.22	3,903.62	999.43	899.55	5,683.55	36,530.27
Rock Base Surface Treated	149.09 Miles	2,658.52	3,153.27	3,286.19	3,979.16	2,753.69	2,168.87	1,324.70	2,947.98	1,328.29	871.91	771.84	2,786.21	28,024.63
Brick-Concrete Shoulders	5.96 Miles	32.26	25.30	144.71	45.43	18.99	1.45	235.71	71.63	19.79	19.63	22.74	150.39	788.03
Sand Asphalt	51.87 Miles	469.96	398.10	528.08	467.68	611.84	429.48	463.17	611.65	694.49	184.70	961.42	1,868.87	7,689.44
Sand Clay	37.63 Miles	614.74	554.61	284.69	386.10	747.66	894.77	1,115.55	619.47	843.64	375.25	176.03	547.93	7,160.44

STATE ROAD DEPARTMENT OF FLORIDA  
Summary of Maintenance—1932—(Continued)

Type	LENGTH	January	February	March	April	May	June	July	August	September	October	November	December	Total
Sand Clay Surface Treated	348.01 Miles	5,485.41	5,650.25	6,014.04	6,321.65	5,275.69	18,473.41	27,953.05	15,847.84	9,480.50	5,902.28	3,023.88	7,752.50	117,180.50
Shell Surface Treated	12.07 Miles	63.65	233.36	395.55	908.34	489.67	215.16	289.39	2,610.92	450.24	616.24	169.31	262.50	6,237.61
Top Soil Surface Treated	17.39 Miles	60.60	199.51	143.29	101.21	273.75	17.00	390.58	208.68	10.44	24.05	37.88	168.31	1,655.30
Graded	324.86 Miles	2,604.31	4,045.47	4,628.33	6,981.38	8,328.72	3,579.40	4,080.33	3,549.21	4,312.08	3,248.74	2,814.74	5,884.09	54,056.73
Bridges	1,538.32	1,894.85	2,144.56	4,986.09	10,702.51	8,400.88	7,856.27	7,599.74	6,891.28	4,288.16	4,187.89	3,897.45	64,388.00	
Betterment	2,650.74	5,341.04	8,407.35	5,897.50	23,649.92	23,328.05	35,861.29	23,154.80	37,768.30	9,467.19	2,294.05	7,614.75	185,434.98	
Storm Damage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,005.18	421.99	302.24	2,248.28	5,977.69
Total	1,133.71 Miles	18,602.50	23,936.27	30,581.20	34,858.96	56,241.44	59,342.95	82,221.34	59,665.14	68,707.85	26,419.57	15,661.57	38,864.83	515,103.62
Concrete	Av. Cost Per Mi.	12.97	15.56	24.68	25.61	18.14	9.82	14.19	13.08	20.89	5.35	4.81	30.42	16.29
Rock Base Surface Treated	Av. Cost Per Mi.	17.83	21.13	22.00	26.69	18.47	14.55	8.88	19.77	8.91	5.85	5.18	18.69	15.66
Brick-Concrete Shoulders	Av. Cost Per Mi.	5.41	4.24	24.28	7.62	3.19	0.24	39.55	12.02	3.32	3.29	3.82	25.23	11.02
Sand Asphalt	Av. Cost Per Mi.	9.06	7.67	10.18	9.02	11.60	8.28	8.93	11.79	13.39	3.56	18.54	36.03	12.35
Sand Clay	Av. Cost Per Mi.	16.43	14.74	7.57	10.26	19.87	23.78	29.64	16.46	22.42	9.97	4.68	14.56	15.85
Sand Clay Surface Treated	Av. Cost Per Mi.	15.76	16.24	17.28	18.17	15.16	53.08	80.32	45.54	27.24	16.96	8.69	22.28	28.06
Shell Surface Treated	Av. Cost Per Mi.	5.27	19.33	32.77	75.26	40.57	17.83	23.96	216.31	37.30	51.06	14.02	21.75	43.06
Top Soil Surface Treated	Av. Cost Per Mi.	3.48	11.47	8.24	5.82	15.74	9.78	22.46	12.00	0.60	1.38	2.18	9.68	7.84
Graded	Av. Cost Per Mi.	8.02	12.45	14.25	21.49	25.64	11.02	12.56	10.93	13.27	10.00	8.66	18.11	13.87
Av. Cost Per Mi. of Routine Maint.		11.83	14.73	17.67	21.15	19.31	24.36	33.96	25.50	18.56	10.80	7.83	22.14	19.06

FOURTH DIVISION—NORTH

Brick-Concrete Shoulders	11.40 Miles	0.00	0.00	0.00	0.00	0.00	70.45	70.40	45.60	19.82	31.92	9.33	69.67	317.19
Concrete	117.84 Miles	1,280.84	1,152.88	1,396.83	1,551.68	1,827.76	2,606.46	2,838.83	1,686.80	1,244.03	692.71	270.90	1,668.56	18,218.28
Rock Base Surface Treated	374.36 Miles	3,355.01	5,527.57	3,977.31	5,796.68	8,547.81	6,096.06	8,248.39	5,779.31	9,842.67	5,464.29	1,876.02	5,091.29	69,702.41
Graded	118.45 Miles	1,084.24	1,020.91	1,265.79	1,632.06	953.21	1,519.15	1,204.44	1,145.55	676.73	176.26	131.01	299.05	11,108.40
Bituminous Macadam	42.44 Miles	269.28	380.96	360.82	227.76	859.12	222.57	476.23	484.39	488.81	146.51	83.27	151.22	4,150.94
Sheet Asphalt	62.93 Miles	351.73	801.90	422.01	163.57	1,292.34	986.63	520.80	474.39	786.30	286.90	176.21	324.71	6,587.49
Brick	28.34 Miles	127.52	102.36	130.99	151.60	295.13	372.34	286.44	275.68	190.80	63.26	21.12	84.04	2,121.28
Brick-Rock Shoulders Surface Treated	12.08 Miles	3.48	51.25	95.42	121.71	113.54	196.26	152.94	152.94	113.69	93.20	76.47	49.17	1,225.80
Shell Surface Treated	6.64 Miles	0.00	0.00	0.00	86.91	36.76	101.26	213.90	74.20	12.34	8.64	6.26	8.26	548.53
Bridges	1,804.12	2,524.15	3,137.78	2,811.69	2,845.03	1,864.04	2,324.45	3,283.88	1,813.50	2,494.81	2,019.58	2,495.88	29,418.91	
Betterment	2,397.93	204.75	1,266.73	1,775.52	1,266.36	475.20	29,179.99	4,730.58	58,682.76	25,109.68	972.60	4,148.11	129,070.21	
Storm Damage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	774.48 Miles	10,680.12	11,766.73	12,053.68	14,319.18	16,997.06	14,510.42	45,516.57	18,133.32	73,871.45	34,588.18	5,642.77	14,389.96	272,469.44
Brick-Concrete Shoulders	Av. Cost Per Mi.	0.00	0.00	0.00	0.00	0.00	6.18	6.18	4.00	1.74	2.80	0.82	6.11	2.32
Concrete	Av. Cost Per Mi.	10.87	9.78	11.85	13.17	15.51	22.12	24.09	14.31	10.56	5.82	2.30	14.13	12.90
Rock Base Surface Treated	Av. Cost Per Mi.	8.96	14.77	10.62	15.48	23.10	16.26	22.03	15.44	26.29	14.60	5.01	13.60	15.52
Graded	Av. Cost Per Mi.	9.15	8.62	10.69	13.78	8.05	12.83	10.17	9.67	5.71	1.49	1.11	2.25	7.82
Bituminous Macadam	Av. Cost Per Mi.	6.34	8.98	8.50	5.37	20.24	5.24	11.22	11.41	11.52	3.45	1.96	3.56	8.15
Sheet Asphalt	Av. Cost Per Mi.	5.59	12.74	6.71	2.60	20.54	15.68	8.28	7.54	12.49	4.56	2.80	5.16	8.72
Brick	Av. Cost Per Mi.	4.50	3.61	4.62	5.35	10.31	13.14	10.11	9.73	6.73	2.94	0.75	2.97	6.24
Brick-Rock Shoulders Surface Treated	Av. Cost Per Mi.	0.78	4.24	7.90	10.08	9.40	16.25	12.64	12.66	9.41	7.72	6.33	4.07	8.46
Shell Surface Treated	Av. Cost Per Mi.	0.00	0.00	0.00	13.09	5.54	15.25	32.21	11.17	1.86	1.30	0.94	1.24	6.97
Av. Cost Per Mi. of Routine Maint.		8.36	11.67	9.88	12.56	18.11	15.71	18.09	13.06	17.27	9.02	3.42	10.00	12.16

FOURTH DIVISION—SOUTH

Concrete	88.23 Miles	1,532.00	1,549.32	1,132.16	1,115.00	2,072.59	1,067.38	1,556.28	1,343.05	1,281.45	431.64	922.94	1,361.89	15,965.70
Rock Base Surface Treated	819.04 Miles	11,520.04	24,380.10	22,513.40	17,327.92	17,921.52	11,972.70	17,445.03	14,682.13	18,139.68	5,542.11	3,987.50	8,995.77	174,427.94
Graded	76.54 Miles	370.80	266.33	488.33	752.79	656.13	442.49	549.65	482.15	583.80	182.67	357.45	698.26	5,830.85
Bituminous Macadam	17.39 Miles	233.66	162.36	98.80	215.49	174.70	218.57	322.26	403.50	533.83	118.35	61.90	214.77	2,758.19
Brick-Rock Shoulders Surface Treated	23.80 Miles	253.50	364.47	367.89	319.81	202.92	71.70	443.49	413.26	336.44	58.49	280.76	713.98	3,826.71
Sheet Asphalt	41.11 Miles	885.76	996.36	629.49	484.06	285.77	542.63	601.30	478.66	698.43	134.79	296.95	278.05	6,312.25
Asphaltic Concrete	42.66 Miles	250.73	206.17	611.83	447.24	402.20	378.09	574.61	412.04	439.13	279.96	202.64	4,426.78	
Rock Asphalt	2.67 Miles	13.96	22.24	43.13	31.33	31.11	37.33	32.02	15.08	50.70	8.50	12.79	332.67	630.86
Local Rock	16.58 Miles	36.65	41.42	59.72	81.12	55.52	62.55	137.05	76.24	57.28	41.77	119.98	786.45	
Sand Asphalt	28.94 Miles	11.38	0.00	21.05	99.95	61.97	27.62	56.09	97.17	969.43	1,382.98	1,238.98	1,631.29	5,597.91
Brick	17.24 Miles	51.58	69.64	161.17	150.44	52.70	0.00	152.70	148.05	177.41	79.50	17.92	54.51	1,115.62
Bridges	2,671.85	2,053.71	2,969.51	3,025.46	4,725.01	4,513.24	3,982.08	2,342.94	3,109.99	2,230.25	1,911.81	2,912.04	36,447.89	
Betterment	30,040.88	44,886.21	39,071.59	43,815.96	25,379.04	46,773.60	54,942.95	27,854.88	61,585.11	14,729.05	49,555.12	62,084.19	500,718.58	
Storm Damage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	640.42	0.00	0.00	0.00	640.42
Total	1,174.40 Miles	47,872.79	74,998.37	68,768.07	67,868.57	52,021.18	66,107.90	80,795.51	48,749.15	88,603.10	25,220.06	58,863.99	79,619.45	759,486.15

STATE ROAD DEPARTMENT OF FLORIDA  
Summary of Maintenance—1932—(Continued)

Type	Length	January	February	March	April	May	June	July	August	September	October	November	December	Total
Concrete	Av. Cost Per Mi.	17.36	17.56	19.63	12.64	23.49	12.10	17.64	15.22	14.52	4.89	10.46	15.41	15.08
Rock Base Surface Treated	Av. Cost Per Mi.	14.06	29.77	27.49	21.16	21.88	14.62	21.30	17.93	22.15	6.77	4.87	10.98	17.75
Graded	Av. Cost Per Mi.	4.84	3.48	6.38	9.83	8.57	5.78	7.18	6.30	7.63	2.39	4.67	9.12	6.35
Bituminous Macadam	Av. Cost Per Mi.	13.44	9.34	5.70	12.39	10.05	18.57	18.53	23.20	30.70	6.80	3.56	12.25	13.22
Brick-Rock Shoulders Surface Treated	Av. Cost Per Mi.	10.65	15.31	15.46	13.44	8.53	3.01	18.63	17.36	14.14	2.46	11.80	30.60	13.32
Sheet Asphalt	Av. Cost Per Mi.	21.55	24.24	15.19	11.77	6.95	13.20	14.63	11.64	16.99	3.28	7.22	6.76	12.79
Asphaltic Concrete	Av. Cost Per Mi.	5.88	4.83	14.34	10.48	9.43	8.86	13.47	9.66	10.29	6.56	4.75	5.21	8.65
Rock Asphalt	Av. Cost Per Mi.	4.86	7.75	15.03	10.92	10.84	13.01	11.16	5.25	17.66	2.96	4.46	115.91	18.32
Local Rock	Av. Cost Per Mi.	2.21	2.50	3.60	4.89	3.35	3.77	8.26	4.60	3.45	2.52	1.04	7.23	3.95
Sand Asphalt	Av. Cost Per Mi.	3.93	0.00	0.73	3.45	2.14	0.95	1.94	3.36	33.50	47.79	42.81	56.37	16.12
Brick	Av. Cost Per Mi.	2.99	4.04	9.35	8.73	3.06	0.00	8.86	8.59	10.29	4.61	1.04	3.16	5.39
Av. Cost Per Mi. of Routine Maint.		12.91	23.89	22.76	17.90	18.66	12.62	18.62	15.80	19.81	7.03	6.30	12.45	15.73
First Division	Av. Cost Per Mi. of Routine Maint.	11.37	11.16	12.92	13.46	16.89	15.81	18.27	18.72	18.99	10.04	2.48	6.96	13.09
Second Division	Av. Cost Per Mi. of Routine Maint.	9.26	9.43	10.09	11.76	11.99	11.43	15.71	14.25	14.38	5.03	3.62	8.72	10.47
Third Division	Av. Cost Per Mi. of Routine Maint.	11.83	14.73	17.67	21.15	19.31	24.36	33.96	25.50	18.56	10.80	7.83	22.14	19.06
Fourth Division—N.	Av. Cost Per Mi. of Routine Maint.	8.36	11.67	9.88	12.56	18.11	15.71	18.09	13.06	17.27	9.02	3.42	10.00	12.16
Fourth Division—S.	Av. Cost Per Mi. of Routine Maint.	12.91	23.89	22.76	17.90	18.66	12.62	18.62	15.80	19.81	7.03	6.30	12.45	15.73
First Division	Total cost of Routine Maintenance	18,660.55	18,312.43	21,187.59	22,081.33	27,723.25	25,937.61	29,975.50	30,712.00	31,156.75	16,470.77	4,068.27	11,417.52	257,703.57
First Division	Total cost of Bridge Maintenance	901.03	1,117.89	2,888.66	2,053.68	1,130.87	1,451.81	109.50	1,265.40	1,928.74	1,544.04	972.39	1,364.30	16,719.31
First Division	Total cost of Betterment	9,582.64	14,218.37	19,853.14	13,768.23	14,939.55	14,352.14	54,309.25	16,869.68	8,315.81	18,962.49	162,375.86	32,976.37	380,423.51
First Division	Total cost of Storm Damage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
First Division	SUB-TOTAL	29,144.22	33,648.69	43,929.39	37,903.24	43,893.67	41,741.56	84,385.25	48,547.06	41,401.30	36,977.30	167,416.52	45,758.19	654,846.29
Second Division	Total cost of Routine Maintenance	10,602.96	10,792.86	11,547.31	13,456.83	13,720.29	13,081.47	17,985.55	16,312.87	16,464.65	5,757.27	4,141.20	9,978.56	143,841.82
Second Division	Total cost of Bridge Maintenance	158.46	149.77	231.06	145.00	197.28	178.72	187.27	649.68	1,795.53	1,024.25	706.69	554.43	5,978.14
Second Division	Total cost of Betterment	0.00	8,344.45	6,028.33	9.00	1,069.72	5,651.20	12,380.48	9,291.70	17,197.52	14,887.16	5,300.88	27,945.91	108,106.35
Second Division	Total cost of Storm Damage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Second Division	SUB-TOTAL	10,761.42	19,287.08	17,806.70	13,610.83	14,987.29	18,911.39	30,553.30	26,254.25	35,457.70	21,668.68	10,148.77	38,478.90	257,926.31
Third Division	Total cost of Routine Maintenance	14,413.44	16,700.38	20,029.29	23,975.37	21,889.01	27,614.02	38,503.78	28,910.60	21,043.09	12,242.23	8,877.39	25,104.35	259,302.95
Third Division	Total cost of Bridge Maintenance	1,538.32	1,894.85	2,144.56	4,986.09	10,702.51	8,400.88	7,856.27	7,599.74	6,891.28	4,288.16	4,187.89	3,897.45	64,388.00
Third Division	Total cost of Betterment	2,650.74	5,341.04	8,407.35	5,897.50	23,649.92	23,328.05	35,861.29	23,154.80	37,768.30	9,467.19	2,294.05	7,614.75	185,434.98
Third Division	Total cost of Storm Damage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,005.18	421.99	302.24	2,248.28	5,977.69
Third Division	SUB-TOTAL	18,602.50	23,936.27	30,581.20	34,858.96	56,241.44	59,342.95	82,221.34	59,665.14	68,707.85	26,419.57	15,661.57	38,864.83	515,103.62
Fourth Division—N.	Total cost of Routine Maintenance	6,478.07	9,037.83	7,649.17	9,731.97	14,025.67	12,170.78	14,012.13	10,118.86	13,375.19	6,983.69	2,650.59	7,745.97	113,980.32
Fourth Division—N.	Total cost of Bridge Maintenance	1,804.12	2,524.15	3,137.78	2,811.69	2,845.03	1,864.04	2,324.45	3,283.88	1,813.50	2,494.81	2,019.58	2,495.86	29,418.91
Fourth Division—N.	Total cost of Betterment	2,397.93	204.75	1,266.73	1,775.52	126.36	475.20	29,179.99	4,730.58	58,682.76	25,109.68	972.60	4,148.11	129,070.21
Fourth Division—N.	Total cost of Storm Damage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fourth Division—N.	SUB-TOTAL	10,680.12	11,766.73	12,053.68	14,319.18	16,997.06	14,510.42	45,516.57	18,133.32	73,871.45	34,588.18	5,642.77	14,389.96	272,469.44
Fourth Division—S.	Total cost of Routine Maintenance	15,160.06	28,058.45	26,726.97	21,025.15	21,917.13	14,821.06	21,870.48	18,551.33	23,276.58	8,260.76	7,397.05	14,623.23	221,679.26
Fourth Division—S.	Total cost of Bridge Maintenance	2,671.85	2,053.71	2,969.51	3,025.46	4,725.01	4,513.24	3,982.08	2,742.94	3,109.99	2,230.25	1,911.81	2,912.04	36,447.89
Fourth Division—S.	Total cost of Betterment	30,040.88	44,886.21	39,071.59	43,815.96	25,379.04	46,773.60	54,942.95	27,854.88	61,585.11	14,729.05	49,555.12	62,084.19	500,718.58
Fourth Division—S.	Total cost of Storm Damage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	640.42	0.00	0.00	0.00	640.42
Fourth Division—S.	SUB-TOTAL	47,872.79	74,998.37	68,768.07	67,866.57	52,021.18	66,107.90	80,795.51	43,749.15	88,603.10	25,220.06	58,863.99	79,619.46	759,486.15
Grand Total Cost of All Maintenance		117,061.05	163,637.14	173,139.04	168,558.78	183,930.64	200,614.22	323,471.97	201,648.92	308,041.40	144,873.79	257,733.62	217,111.34	2,459,831.91
Average Cost Per Mile of All Routine Maintenance		11.13	14.13	14.85	15.38	16.92	15.96	20.85	17.83	17.95	8.47	4.62	11.74	14.15

STATE ROAD DEPARTMENT OF FLORIDA—AUDITOR'S OFFICE  
Disbursements for Construction by Counties and Funds—Maintenance Shown in Total at Bottom  
October 1915 to December 31st, 1932

COUNTY	Federal Aid Construction	County Funds Construction	State Funds	Total Construction
Alachua	\$ 885,243.17	\$ 874,943.83	\$ 1,019,330.86	\$ 2,779,517.86
Baker	404,586.68	55,119.08	403,710.34	863,416.10
Bay		2,003,578.20	2,240,120.70	4,243,698.90
Bradford		125,000.00	607,786.23	732,786.23
Brevard	580,861.15	381,770.94	2,440,503.91	3,403,136.00
Broward	589,098.04		922,717.55	1,511,815.59
Calhoun			370,652.86	370,652.86
Charlotte	416,407.93	50,000.00	1,300,705.66	1,767,113.59
Citrus			661,474.15	661,474.15
Clay		100,000.00	1,339,315.50	1,439,315.50
Collier	57,823.18		2,393,715.83	2,451,539.01
Columbia	577,122.00	695,881.36	1,033,432.07	2,306,435.43
Dade	264,403.89	125,000.00	3,851,058.75	4,240,462.64
DeSoto	75,245.57	191,422.14	427,959.48	694,627.19
Dixie		38,299.00	625,913.02	664,212.02
Duval	353,482.67		1,533,344.19	1,886,826.86
Escambia	703,971.04	510,238.58	661,015.54	1,875,225.16
Flagler	421,933.84	34,474.39	527,216.17	983,624.90
Franklin		156,768.65	1,003,595.18	1,160,363.83
Gadsden	302,887.21	283,710.00	1,290,594.42	1,877,191.63
Gilchrist		130,309.64	334,324.01	464,633.65
Glades		4,000.00	762,021.45	766,021.45
Gulf			1,073,841.96	1,073,841.96
Hamilton	500,731.47	169,951.19	633,596.35	1,304,279.01
Hardee			560,283.90	560,283.90
Hendry			835,609.44	835,609.44
Hernando		89,899.09	555,039.37	644,938.46
Highlands			1,533,920.98	1,533,920.98
Hillsborough	778,792.32		1,716,694.24	2,495,486.56
Holmes	89,827.00	205,480.99	537,121.81	832,429.80
Indian River	333,910.62	105,000.00	656,694.74	1,095,605.36
Jackson	210,029.86	32,001.00	1,524,364.27	1,766,395.13
Jefferson	192,600.42	518,288.86	1,086,589.54	1,797,478.82
Lafayette		200,000.00	567,849.93	767,849.93
Lake	401,299.01	1,091,795.00	1,315,895.40	2,808,989.41
Lee			1,015,492.37	1,015,492.37
Leon	252,986.65	1,073,484.93	1,640,483.29	2,966,954.87
Levy		809,134.88	1,677,975.29	2,487,110.17
Liberty		25,500.00	154,042.69	179,542.69
Madison	141,165.14	389,096.81	1,555,852.79	2,086,114.74
Manatee	103,867.12		1,304,044.56	1,407,911.68
Marion	183,401.30	55,216.49	642,188.71	880,806.50
Martin			1,312,636.76	1,312,636.76
Monroe			7,822.09	7,822.09
Nassau	563,930.17		1,590,692.40	2,154,622.57
Okaloosa	97,239.61	403,042.62	1,172,309.56	1,672,591.79
Okeechobee		6,173.98	577,570.58	583,744.56
Orange	322,196.51		673,895.78	996,092.29
Osceola	583,348.69	290,783.38	732,219.19	1,606,351.26
Palm Beach	198,770.30	38,000.00	2,335,402.50	2,572,172.80
Pasco			565,835.70	565,835.70
Pinellas			417,927.55	417,927.55
Polk	341,577.84		1,402,059.91	1,743,637.75
Putnam	666,410.55	724,793.42	1,556,365.56	2,947,569.53
St. Johns	507,227.60		1,623,634.31	2,130,861.91
St. Lucie		276,000.00	961,749.75	1,237,749.75
Santa Rosa	385,531.81	209,546.27	1,018,446.16	1,613,524.24
Sarasota	271,727.97	100,000.00	1,756,108.61	2,127,836.58
Seminole	3,278.60	13,000.00	638,534.45	654,813.05
Sumter			73,600.64	73,600.64
Suwannee	54,586.58	715,000.00	871,308.92	1,640,895.50
Taylor		52,953.35	769,706.38	822,659.73
Union		171,000.00	218,893.35	389,893.35
Volusia	369,026.11	494,620.29	1,443,056.35	2,306,702.75
Wakulla		9,700.00	784,362.18	794,062.18
Walton	1,748.45	868,436.96	724,696.97	1,594,882.38
Washington	157,153.44	25,000.00	401,102.41	583,255.85
Total Construction	\$13,345,431.51	\$14,923,415.82	\$69,968,027.56	\$ 98,236,874.89
Maintenance			17,168,251.22	17,168,251.22
Total Maint. and Const.	\$13,345,431.51	\$14,923,415.82	\$87,136,278.78	\$115,405,126.11

STATE ROAD DEPARTMENT OF FLORIDA—AUDITOR'S OFFICE  
Encumbrances to December 31st, 1932

	1931		1932		Net to Date	
	Debits	Credits	Debits	Credits	Debits	Credits
<b>ADMINISTRATIVE</b>						
Salaries	\$ 10,914.68	\$ .....	6,105.00	.....	\$ 147,266.03	
All Others	14,031.43	.....	12,719.09	.....	128,003.45	
Legal	6,629.20	.....	12,634.76	.....	69,308.51	
Rate Expert	3,201.24	.....	2,832.57	.....	19,681.96	
Grounds and Building	853.59	.....	.....	1,515.42	2,202.97	
<b>GENERAL OFFICE</b>						
Salaries	35,964.87	.....	42,913.10	.....	292,654.63	
Stationery	16,171.76	.....	15,014.59	2,131.41	110,090.28	
Furniture and Fixtures	1,055.46	.....	568.21	.....	17,091.40	
Rents	.....	.....	.....	.....	12,636.00	
Telephone and Telegraph	4,105.46	.....	5,221.90	.....	28,358.07	
Special Audit of Counties	20,295.80	.....	309.32	.....	20,605.12	
Cost Accounting	3,874.08	.....	15,552.97	.....	19,427.05	
Florida Highways Magazine	2,847.68	.....	2,853.22	.....	5,700.90	
<b>GENERAL ENGINEERING</b>						
Salaries	83,503.81	.....	90,235.46	.....	916,127.40	
All Others	47,858.83	.....	51,545.35	.....	468,889.82	
<b>MAINTAINING ROADS</b>						
Engineering	166,403.83	.....	46,855.25	.....	511,914.61	
Supervision	6,450.86	.....	61,698.38	.....	68,149.24	
Maintenance	2,675,835.66	.....	2,134,147.94	.....	16,936,398.41	
Units-Not Distributed	1,795,207.02	2,084,539.12	2,833,334.76	2,242,701.57	228,265.16	
<b>CONSTRUCTION OF ROADS</b>						
Engineering	684,241.29	.....	660,104.66	.....	5,724,228.14	
Construction	9,174,673.44	.....	5,169,351.50	.....	94,388,206.73	
<b>SUPPLY ACCOUNTS</b>						
Parts	12,599.08	159,827.14	22,385.84	15,523.51	48,164.04	
Convict Supplies General	28,643.35	22,846.26	40,666.89	29,261.44	8,105.57	
Stationery Stock	3,499.48	4,209.90	6,590.95	6,783.04	3,898.95	
<b>EQUIPMENT ACCOUNTS</b>						
Motor and Live Stock	178,204.45	233,077.34	62,437.96	227,017.35	181,365.81	
Testing Division	.....	.....	318.73	20,867.62	13,973.33	
Gainesville Shop	.....	.....	.....	.....	94,806.85	
Convict Camp	.....	.....	.....	.....	102,720.33	
<b>SUSPENSE ACCOUNTS</b>						
Equipment Donated	.....	.....	.....	.....	37,019.62	
Yukon Shop	.....	.....	.....	.....	25,000.00	
Pineola Quarry	.....	.....	.....	.....	5,048.31	
Parts Junked	143,452.67	.....	2,715.13	9.30	152,136.27	
W. F. Reed	2,237.48	2,237.48	5,635.98	5,635.98	.....	
Enforcement of Traffic Laws	.....	.....	16,678.39	.....	16,678.39	
Depreciation Reserve	230,858.59	230,858.59	223,663.02	223,663.02	.....	
Gainesville Shop Operation	19,086.18	9,191.88	23,403.45	14,772.78	63,668.76	
Convict Supplies Raiford	1,123.63	780.15	5,426.62	842.30	.....	
Testing Division Operation	46,145.30	.....	52,312.84	120,102.24	98,163.66	
Funds Diverted	300,000.00	.....	612,040.44	.....	1,377,040.44	
Road Signs	556.54	8,334.02	1,014.19	.....	1,014.19	
Center Line Marking	1,474.09	769.09	1,454.05	3.44	2,904.43	
Airport Markers	510.88	.....	.85	.....	511.73	
Guard Rail	.....	.....	1,875.89	.....	1,875.89	
Glendon Rock	3,289.97	.....	634.42	.....	3,924.39	
Highway Beautification	.....	.....	916.38	.....	916.38	
Accounts Receivable	3,620.84	3,605.16	2,029.38	2,407.84	1,959.58	
Work in Process	2,779.81	2,919.80	2,806.22	1,698.48	1,938.58	
Maintenance Shop—2nd. Div.	.....	.....	248.78	.....	248.78	
Maintenance Shop—4th Div. N.	.....	.....	2,223.68	.....	2,223.68	
Maintenance Shop—4th Div. S.	1,458.31	.....	1,770.82	1,400.00	1,829.13	
Maintenance Camp No. 3	45.55	45.55	.....	.....	.....	
Maintenance Camp No. 5	.....	900.00	.....	900.00	22.57	
Maintenance Camp No. 8	5,760.45	100.00	668.73	1,200.00	5,129.18	
Maintenance Camp No. 16	3,621.40	.....	645.75	800.00	3,467.15	
Maintenance Camp No. 26	.....	208.24	.....	.....	.....	
Maintenance Camp No. 28	.....	2,400.00	.....	2,400.00	604.66	
Maintenance Camp No. 38	.....	1,200.00	40.49	780.38	.....	
Maintenance Camp No. 39	562.50	1,200.00	.....	1,200.00	1,297.56	
Maintenance Camp No. 42	2,903.08	.....	.....	2,903.08	.....	
Maintenance Camp No. 47	.....	.....	3,254.68	64.71	3,189.97	
<b>CONTINGENT FUND ACCOUNTS</b>						
Tallahassee Banks	14,777.61	4,000.00	10,313.35	.....	292,911.72	
Barnett National Bank	.03	350.00	.....	250.00	480.67	
<b>NET ENCUMBRANCES</b>	12,987,731.54	.....	9,341,337.02	.....	122,669,446.45	

## STATE ROAD DEPARTMENT OF FLORIDA—AUDITOR'S OFFICE

## Cash Statement—December 31st, 1932

	Brought Forward From 1931	Receipts For Dec. 1932	Receipts For Twelve Months, 1932	Working Fund Oct. 1915 to Dec. 31, 1932	Disbursements Oct. 1915 to Dec. 31, 1932	Balance Dec. 31, 1932
Motor Vehicle License—5% Fund .....	\$ 49.82	\$ .....	\$ 61 86	\$ 2,283,485.50	\$ 2,283,485.50	\$ .....
Motor Vehicle License—85% Fund .....	.....	.....	.....	1,529,511.14	1,529,511.14	.....
State Federal Aid—70% .....	2,267.74	.....	865.99	27,419,550.41	27,419,550.41	.....
State Road Fund From County Bonds .....	90,043.33	39,613.44	237,131.61	19,323,117.14	19,220,297.43	102,819.71
Federal Aid Road Fund .....	15,593.75	.....	.....	.....	.....	.....
Lake County—Project 53-D .....	.....	12,602.48	.....	.....	.....	.....
Seminole County—Project 85-A .....	.....	3,278.60	.....	.....	.....	.....
Jefferson County—Project E-87-C .....	.....	49,945.53	.....	.....	.....	.....
Alachua County—Project E-89 .....	.....	3,617.13	602,598.92	12,176,943.55	12,133,858.00	43,085.55
State Road License Fund—Gas 3c .....	514,754.65	470,329.63	6,280,235.99	54,781,866.21	54,687,754.97	94,111.24
Maintenance Fund—Gas and Oil Inspection .....	.....	.....	.....	1,051,527.78	1,051,527.78	.....
U. S. Post Roads .....	.....	.....	26,803.02	53,190.39	53,190.39	.....
State Road Tax Fund for Maintenance of State Roads .....	.....	.....	.....	440,001.40	440,001.40	.....
Leon County Loan .....	.....	.....	* 17,000.00	17,986.32	17,986.32	.....
Federal Government—1931 Loan .....	.....	.....	.....	1,086,438.00	1,086,438.00	.....
Columbia County Bonds .....	.....	.....	.....	140,595.82	140,595.82	.....
Total—Balance—Comptroller .....	\$622,709.29	\$579,386.81	\$7,130,697.39	\$120,304,213.66	\$120,064,197.16	\$240,016.50

\*Refund to Leon County

STATE ROAD DEPARTMENT OF FLORIDA—AUDITOR'S OFFICE

Cash Statement—December 31st, 1931

	Brought Forward From 1930	Receipts For Dec. 1931	Receipts For Twelve Months, 1931	Working Fund Oct. 1915 to Dec. 31, 1931	Disbursements Oct. 1915 to Dec. 31, 1931	Balance Dec 31 1931
Motor Vehicle License—5% Fund .....	\$ 15,511.28	\$ 8.63	\$ 216,159.86	\$ 2,283,423.64	\$ 2,283,373.82	\$ 49.82
Motor Vehicle License—85% Fund .....				1,529,511.14	1,529,511.14	
State Federal Aid—70% .....	40,703.66	120.86	3,026,237.92	27,418,684.42	27,416,416.68	2,267.74
State Road Fund From County Bonds .....	175,458.03	48,711.20	244,410.31	19,120,971.85	19,030,928.52	90,043.33
Federal Aid Road Fund .....	140,754.05					
Flagler-Volusia—Project 60-A .....		1,371.40				
Flagler-Volusia—Project 60-B .....		1,866.06				
Nassau-Duval—Project 57 .....		6,751.65				
Collier—Project 75 .....		6,390.44				
Jackson-Washington—Project 77 .....		1,659.25				
Duval—Project 79-A .....		1,709.46				
Alachua—Project 81 .....		5,571.32	2,831,807.33	12,687,170.00	12,671,576.25	15,593.75
State Road License Fund—Gas 3c .....	429,240.45	528,086.87	5,572,259.67	48,501,630.22	47,986,875.57	514,754.65
Maintenance Fund—Gas & Oil Inspection .....				1,051,527.78	1,051,527.78	
State Road Tax Fund for Maintenance of State Roads .....				440,001.40	440,001.40	
Total—Balance—Comptroller .....	\$801,667.47	\$602,247.14	\$11,890,875.09	\$113,032,920.45	\$112,410,211.16	622,709.29

## STATE ROAD DEPARTMENT OF FLORIDA—AUDITOR'S OFFICE

## Financial Statistics

	Auto License Fund (5%)	Auto License Fund (70%)	From County Bonds	Federal Aid	Gasoline 2c & 3c Tax	Total	Balance Last Day Of Month
<b>RECEIPTS</b>							
Balance from Dec. 31, 1930.....	\$ 15,511.28	\$ 40,703.66	\$ 175,458.03	\$ 140,754.05	\$ 429,240.45	\$ 801,667.47	\$.....
January 1931.....	150,427.98	2,105,991.82	27,236.94	90,656.17	423,417.15	2,797,730.06	.....
February 1931.....	34,494.23	482,919.24	.....	202,776.56	445,969.12	1,166,159.15	.....
March 1931.....	11,310.63	158,348.81	6,592.41	159,694.94	426,399.09	762,345.88	.....
April 1931.....	10,599.00	148,385.93	10.68	42,155.94	490,167.46	691,319.01	.....
May 1931.....	6,053.87	84,754.07	105,081.97	111,460.71	410,597.73	717,948.35	.....
June 1931.....	3,074.22	43,039.03	.....	376,983.33	384,880.58	807,977.16	.....
July 1931.....	123.19	1,724.62	44,630.70	535,516.2f	363,969.25	945,964.04	.....
August 1931.....	8.94	125.24	.....	648,131.87	590,478.53	1,238,744.58	.....
September 1931.....	53.48	748.72	11,833.32	50,721.44	471,015.22	534,372.19	.....
October 1931.....	.....	.....	.....	561,277.68	493,425.91	1,054,703.59	.....
November 1931.....	5.69	79.58	313.08	27,112.83	543,852.76	571,363.94	.....
December 1931.....	8.63	120.86	48,711.20	25,319.5f	528,086.87	602,247.14	.....
Total Resources to Dec. 31st.....	\$ 231,671.14	\$ 3,066,941.58	419,868.34	2,972,561.38	6,001,500.12	12,692,542.56	.....
<b>DISBURSEMENTS</b>							
January 1931.....	11,362.19	285,861.21	.....	140,268.24	848,286.98	1,285,778.62	2,313,618.91
February 1931.....	15,429.97	1,563,656.32	.....	.....	.....	1,579,086.29	1,900,691.77
March 1931.....	13,339.51	780,258.08	.....	357,147.48	.....	1,150,745.07	1,512,292.58
April 1931.....	12,583.96	.....	.....	.....	797,555.60	810,139.56	1,393,472.03
May 1931.....	15,767.52	306,046.25	.....	.....	568,925.86	890,739.63	1,220,680.75
June 1931.....	16,640.44	12,028.76	.....	335,705.20	409,716.83	774,091.23	1,254,566.68
July 1931.....	19,304.28	115,482.82	217,985.35	548,100.91	383,536.01	1,284,409.37	916,121.05
August 1931.....	113,647.83	.....	18,163.01	752,611.73	407,146.33	1,291,568.90	863,297.03
September 1931.....	13,487.75	2,500.00	68,090.40	178,243.10	701,677.22	963,998.47	433,670.75
October 1931.....	*62.50	*1,159.6f	9,655.21	579,214.17	353,147.41	940,794.69	547,579.65
November 1931.....	120.37	.....	14,692.87	24,823.05	427,630.84	467,267.13	651,676.46
December 1931.....	.....	1,998.90	1,238.17	38,867.89	589,009.37	631,114.33	622,809.27
Total Disbursements to Dec. 31st.....	231,621.32	3,066,672.74	329,825.01	2,954,981.77	5,486,632.45	12,069,733.29	.....
Balances—December 31, 1931.....	49.82	268.84	90,043.33	17,579.61	514,867.67	622,809.27	.....
Budget Resources (Estimated).....	.....	3,100,000.00	343,810.00	3,252,708.34	5,375,000.00	12,071,518.34	.....
Less—Receipts to Dec. 31 1931.....	.....	3,026,437.92	244,410.31	2,829,517.55	5,572,259.67	11,672,625.45	.....
Balance due on Budget.....	.....	73,562.08	99,399.69	423,190.79	**197,259.67	398,892.89	.....

\* Cancelled Warrants

\*\* Overrun

STATE ROAD DEPARTMENT OF FLORIDA—AUDITOR'S OFFICE

Financial Statistics—(Continued)

	Auto License Fund (5%)	Auto License Fund (70%)	From County Bonds	Federal Aid	Gasoline 3c Tax	Total	Balance Last Day of Month
<b>RECEIPTS</b>							
Balance from December 31, 1931	\$ 49.82	\$ 2,267.74	\$ 90,043.33	\$ 15,593.75	\$ 514,754.65	\$ 622,709.29	\$ .....
January 1932			48,845.05	2,931.97	612,860.74	664,637.76	.....
February 1932	16.90	236.70		44,468.76	619,066.38	663,788.74	.....
March 1932			79,000.08	66,172.20	634,132.83	779,305.11	.....
April 1932	.18	2.45	9,150.75	38,788.95	603,783.58	651,725.91	.....
May 1932	.21	2.94	9,637.77	159,660.99	559,682.67	728,984.58	.....
June 1932	8.53	119.38	9,518.14	29,906.01	488,303.79	527,855.85	.....
July 1932			11,845.68	12,759.91	488,238.53	512,844.12	.....
August, 1932	35.83	501.56	22,582.33	35,368.66	445,180.03	503,668.41	.....
September 1932	.21	2.96	17,345.85	79,193.21	443,464.86	540,007.09	.....
October, 1932			16,395.54	7,958.29	444,367.45	468,721.28	.....
November 1932				55,946.23	470,825.50	526,771.73	.....
December 1932			39,613.44	69,443.74	470,329.63	579,386.81	.....
<b>Total Receipts to Dec. 31, 1932</b>	<b>111.68</b>	<b>3,133.73</b>	<b>353,977.96</b>	<b>618,192.67</b>	<b>6,794,990.64</b>	<b>7,770,406.68</b>	.....
<b>DISBURSEMENTS</b>							
January 1932		250.69	10,385.07	19,689.53	518,003.53	548,328.82	739,018.23
February 1932			6,039.99		687,186.86	693,226.85	709,580.12
March 1932		1,598.90			774,591.35	776,190.25	712,694.98
April 1932			*59.00	172,064.13	425,804.05	597,809.18	766,611.71
May 1932	66.90		**2,157.56		678,860.28	676,769.62	818,826.67
June 1932				106,865.76	444,516.21	551,381.97	795,300.55
July 1932			138,185.25	7,558.74	535,495.52	681,239.51	626,905.16
August, 1932	8.74		9,435.90	107,997.11	515,227.90	632,669.65	497,903.92
September 1932		1,274.17	40,534.42		470,362.05	512,170.64	525,740.37
October, 1932	36.04	9.97	7,163.34	23,338.71	421,216.36	451,764.42	542,697.23
November 1932		*9.00	6,781.46	7,436.18	657,048.93	671,257.57	398,211.39
December 1932		9.00	34,849.38	130,156.96	572,566.36	737,581.70	240,016.50
<b>Total Disbursements to Dec. 31</b>	<b>111.68</b>	<b>3,133.73</b>	<b>251,158.25</b>	<b>575,107.12</b>	<b>6,700,879.40</b>	<b>7,530,390.18</b>	.....
<b>Balances—December 31, 1932</b>			<b>102,819.71</b>	<b>43,085.55</b>	<b>94,111.24</b>	<b>240,016.50</b>	.....
<b>Budget Resources (Estimated)</b>			<b>293,241.32</b>	<b>1,332,053.30</b>	<b>6,500,000.00</b>	<b>8,125,294.62</b>	.....
<b>Less—Receipts to Dec. 31, 1932</b>			<b>263,934.63</b>	<b>602,598.92</b>	<b>6,280,235.99</b>	<b>7,146,769.54</b>	.....
<b>Balance Due on Budget</b>			<b>29,306.69</b>	<b>729,454.38</b>	<b>219,764.01</b>	<b>978,525.08</b>	.....

Above Receipts and Disbursements both Include \$612,040.44 Funds Diverted in 1932.

\* Cancelled Warrants

\*\* Overpayments on Estimates

# STATE ROAD DEPARTMENT OF FLORIDA—AUDITOR'S OFFICE

## Statistical Sheet Showing Resources From the Several Tax Funds Since Inauguration of State Road Department October, 1915 to December 31st, 1932

	(1) 15% & 5% Gen. Admin.	(2) 85% Auto License	(3) 70% Auto License	(4) State Tax Advalorem	(5) Federal Government	(6) Gasoline Inspection	(7) Gasoline 1c, 2c, and 3c	(8) Road Maint. Fund	(9) County, Town and R. R. Donations	Total Receipts
Nov. and Dec., 1915	\$ 3,646.90	\$ .....	\$ .....	\$ .....	\$ .....	\$ .....	\$ .....	\$ .....	\$ .....	\$ 3,646.90
1916	30,246.23	.....	.....	.....	.....	.....	.....	.....	.....	30,246.23
1917	21,439.42	.....	.....	.....	.....	.....	.....	.....	238.79	21,678.21
1918	42,164.42	236,300.00	.....	175,842.11	9,972.55	.....	.....	.....	11,111.22	475,390.30
1919	52,443.82	297,034.63	.....	290,532.41	11,759.19	.....	.....	.....	71,157.76	722,927.81
1920	73,725.00	425,775.00	.....	694,814.77	209,060.84	17,850.32	.....	.....	239,320.49	1,660,546.42
1921	101,133.40	570,401.51	.....	643,373.16	490,308.38	55,824.74	228,056.41	.....	111,708.76	2,200,806.36
1922	71,623.51	.....	1,002,729.20	396,206.19	842,965.84	80,803.14	601,336.71	.....	580,716.92	3,576,381.51
1923	92,968.50	.....	1,301,560.08	427,243.17	820,063.74	91,884.70	1,261,845.08	.....	515,988.35	4,511,553.62
1924	112,579.83	.....	1,576,118.04	424,392.88	1,071,287.04	126,325.66	2,448,855.49	70,001.40	879,219.83	6,708,780.17
1925	164,768.30	.....	2,306,727.50	505,109.94	1,080,574.24	169,308.01	4,355,634.61	80,000.00	1,689,856.43	10,351,979.03
1926	314,244.20	.....	4,399,418.71	524,426.09	1,007,484.16	210,842.46	8,636,358.93	200,000.00	614,137.61	15,906,912.16
1927	301,710.05	.....	4,221,924.26	132,566.97	1,688,401.62	298,688.75	8,243,691.18	90,000.00	4,426,113.03	19,403,095.86
1928	228,623.58	.....	3,200,716.39	4,649.30	863,204.17	.....	6,770,508.10	.....	3,062,415.56	14,130,117.10
1929	230,848.16	.....	3,231,873.75	122.38	506,570.16	.....	5,855,384.86	.....	1,637,965.48	11,462,764.79
1930	225,098.46	.....	3,151,378.57	283.16	1,227,323.37	.....	4,527,699.18	.....	843,436.15	9,975,218.89
1931	216,159.86	.....	3,026,237.92	147.92	2,831,807.37	.....	5,572,259.67	.....	384,858.21	12,031,470.91
1932	61.86	.....	865.99	7.11	602,598.92	.....	6,280,235.99	.....	246,927.52	7,130,697.39
Total Receipts	2,283,485.50	1,529,511.14	27,419,550.41	4,219,717.56	13,263,381.55	1,051,527.78	54,781,866.21	440,001.40	15,315,172.11	120,304,213.66
Disbursements—										
Nov. 1915-Dec. 1932	2,283,485.50	1,529,511.14	27,419,550.41	4,219,717.56	13,220,296.00	1,051,527.78	54,687,754.97	440,001.40	15,212,352.40	120,064,197.16
Balances—Dec. 31st 1932					43,085.55		94,111.24		102,819.71	240,016.50

- (1) November 1915 to December 31, 1921, inclusive—15% of net receipts from sale of Auto License was allotted for salaries of Chairman and Members; also for maintaining General Office. Effective January 1, 1922, this was reduced to 5%.
- (2) & (3) Years 1918 to 1921, inclusive—85% of net receipts from sale of Auto License was allotted Counties, but turned over to this Department for disbursement. Proportion allowed each County was on percentage basis, using Tax Valuation as a basis. This manner of handling was changed in 1922 as follows: All receipts pooled. From pool, actual expense of getting out tags is deducted. The net is then divided—25% remitted to Counties direct; 5% allowed for General Office Maintenance, and 70% for construction of roads. July 1st, 1931 receipts from Motor Vehicle License Fund were turned over to School Fund.
- (4) Advalorem Tax on real and personal property for road purposes. This tax was repealed Legislature Session 1927.
- (5) Amount received from Federal Government. This does not represent the amount allotted, but is amount actually paid in, including loan.
- (6) Effective 1921, an Inspection Tax of  $\frac{1}{8}$ c per gallon was imposed on gasoline sold within the State. No revenue from this source since year 1927.
- (7) Effective 1921, a Tax of 1c per gallon was imposed on gasoline; July 1923, this was increased to 2c; July 1925, increased to 3c, July 1929, reduced to 2c and July 1st, 1931 increased to 3c.
- (8) Represents Proportion allowed as net receipts from sale of Auto Registration Certificates. No revenue from this source since year 1927.
- (9) Paid in by Counties, Railroads, Towns, Federal Government on Forest Roads, Columbia County Bonds and Flood Claims as contribution on roads constructed, or to be constructed.

Tables 1, 2, 3, 4, 6, 7 and 8 do not represent total collection from Taxes, as named, but is amount allowed this Department for maintaining Headquarters, Constructing and Maintaining Roads.